

Carlin Yuen

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Digital Media Design An interdisciplinary concentration of Computer Science, Marketing, and Design.
Bachelor of Science in Engineering, University of Pennsylvania, Class of 2010

Relevant Coursework	UNIVERSITY OF PENNSYLVANIA	SEPT 2006–AUG 2010	
3D Computer Graphics	Computer Animation	Digital & Graphic Design	Mgmt & Design of Info Systems
3D Modeling & Sculpture	Computing Algorithms	Figure Drawing	Marketing
Automata & Complexity	Computing Systems	Leadership & Democracy	Programming Techniques II
Calculus III	Computer Vision	Linear Algebra	Typography
Cognitive Science	Drawing II	Macro & Micro Economics	Web Design

WORK EXPERIENCE

Applico Inc IOS MOBILE APPLICATIONS ENGINEER NOV 2012–PRESENT
Work on agile (scrum) and waterfall software cycles in teams of 4-6 with project managers and designers.

- Experience with iOS 5, 6, 7, Interface Builder and natively coded UI, also Xamarin / C# / Basic Android.
- Node.js + Express, WebSockets / Socket.IO, webservices with JSON / XML Payloads
- Responsive Mobile Web, Asynchronous Module Design, curl.js / require.js / jQuery
- SQLite / NSUserDefaults / Basic CoreData / Kinvey (MBaaS)
- Grand Central Dispatch / Multi-threading
- CoreGraphics / QuartzCore (Animations)
- Beta Testing (TestFlight), Analytics (Localytics), Basic Continuous Integration (Jenkins)

Bloomberg LP SOFTWARE DEVELOPER JAN 2011–NOV 2012
Architected the development and managed the deployment of platform for software compliance and employee data tracking and trending for the company's 15,000 employees, across all regions and specific to individual users.

- Prototyped and developed workflow, interface, and user experience, which was demoed to the CEO and CTO.
- Managed product development in team of 3 with fast iterative deployment cycles, beat aggressive deadlines.
- Instituted better team feedback system and follow-through after meetings, put processes to build team rapport.
- Technologies: SQL Server (funcs, SPs, design & normalizing), JavaScript, C/C++, Unix Shell Scripting.

Zediva DEVELOPER, DESIGNER, CONSULTANT SUMMER 2010
Consulted on, designed and developed Flash app for start-up online video streaming service, which was at one point featured on the Wall Street Journal as a growing competitor to Netflix before being shut down by the film studios.

University of Pennsylvania 3D MODELER, RESEARCH ASSISTANT SUMMER 2009
Assisted Dr. Elizabeth Bolman in reconstructing a physically accurate 3D model of the Egyptian Red Monastery ruins.

Alpha Semantics FOUNDING TEAM - DEVELOPER, CONSULTANT 2008–2009
Designed and developed online user data mining framework that used web URLs for tracking information.

Walt Disney Studios JUNIOR ANALYST & DEVELOPER SUMMER 2008
Designed and implemented user interface components and utility modules and tools for internal functions used by over 140,000 employees. Researched and consulted on redesign and improvements on older components as well.

Givology CONSULTANT, DESIGNER & DEVELOPER 2008
Consulted on UI and database design and development for the initial phase of the non-profit microfinance startup.

The Wharton School of Business BEHAVIORAL LAB SOFTWARE DESIGNER & DEVELOPER 2007–2008
Designed and developed a dynamic and reusable desktop application in Java for use in psychological user studies, featuring multiple user profiles, instant messaging, form-building, permission controls, and test and review modes.

University of Pennsylvania 3D COMPUTER GRAPHICS RESEARCH ASSISTANT SUMMER 2007
Assisted Dr. Norman Badler in crowd simulation with body density, stereovision, 3D mo-cap, modeling and animation.

- Technologies: C/C++, OpenGL, Visual Studio, Autodesk Maya.

Freelancer GRAPHIC DESIGNER, WEB DEVELOPER, CONSULTANT SINCE FALL 2007
Self-taught X/HTML5, PHP4, CSS3, AJAX/JS/JQuery, My/SQL, Java, VBA, Matlab, Python, ActionScript, Wordpress, Photoshop, Illustrator, InDesign, Flash, Maya, Microsoft Office, Google Chrome Development, etc.

- National President** UNIVERSITY OF PENNSYLVANIA ASIAN ALUMNI NETWORK SINCE 2013
Lead team of 6 to build and strengthen our network of over 20,000 alumni of Asian and Asian American heritage. Established fund for public service student internships, restructured lean organization and rebuilt online presence.
- Technical Rep** BLOOMBERG LP 2012
Team of developers who are recognized for leadership in and willing to help others learn the development standards and best practices for the R&D department. All projects are code reviewed by Tech Reps before deployment.
- Co-Founder & CTO** PRAYWITH.ME SINCE 2012
Architected and built an online web application that lets users create profiles and share requests and send reminders.
 - Technologies: CodeIgniter, PHP, HTML5 Boilerplate, CSS, AJAX/JQuery, MySQL, Twitter Bootstrap, Imagick.
- Turntable.fm Bot** TURNTABLE.FM JUNE 2012
Coded a bot for online social networking music site, Turntable.fm, for fun!
 - Technologies: JavaScript, Node.js, Nodejitsu, Turntable.fm API.
- UPAAN Online!** UNIVERSITY OF PENNSYLVANIA ASIAN ALUMNI NETWORK APRIL 2012
Designed and built an online web application to simplify tracking of alumni and connecting alumni with students.
 - Technologies: CodeIgniter, PHP, HTML5 Boilerplate, CSS, AJAX/JQuery, MySQL, Twitter Bootstrap.
- photoMON** PHOTO HACK DAY 2 FEBRUARY 2012
Web app to easily filter & edit photos, with facial recognition APIs, histogram analysis, sharing & tagging on FB, etc.
 - Technologies: PHP, HTML, CSS, JQuery/AJAX, Aviary API, Face.com API, Imagick API.
- President** UNIVERSITY OF PENNSYLVANIA ASIAN ALUMNI NETWORK, YOUNG ALUMNI GROUP 2011–2012
Leading a team of 6 to organize social, cultural, and community service events every month to serve and connect UPenn alumni with an interest in the Asian or Asian American community and culture.
- Co-Founder, Designer & Consultant** FANFORTÉ 2010–2011
Designed and consulted on UI, database and function design, user experience, pitch presentation, marketing, etc. Raised over \$50,000 in seed funding with co-founder for startup web application / network for online entertainment.
- Executive Director** EAST COAST ASIAN AMERICAN STUDENT UNION 2010 CONFERENCE 2008–2010
Led a bid team of 10 to produce a comprehensive bid proposal, to win under vote. Led conference team of 23 to plan and execute conference for over 1,500 participants, raising over \$120,000 in revenue, and substantial profit.
- VP of Technology & Creative Marketing** STUDENT CLASS EXECUTIVE BOARD OF 2010 2007–2010
Drove advertising design & production. Reached our goal of breaking 50% in target audience participation, achieved by better strategic use of marketing channels and better timing of marketing media.
- Marketing Director** CHINESE STUDENTS' ASSOCIATION BOARD 2008–2009
Started first cultural club marketing team, streamlined event advertising process, diversified products and services to raise sales and participation by almost 20% for annual Valentine's Day Rose Sale.
- Technology & Communications Director** WHARTON BUSINESS TECHNOLOGY CONFERENCE 2007–2008
Managed team of 4 in designing, building, and maintaining website front/backend and online marketing channels.
- Facebook Clone** UPENN DESIGN PRINCIPLES OF INFO SYSTEMS COURSE FINAL PROJECT SPRING 2009
Designed and implemented a Facebook clone in team of 3, with secure profiles, updates, messages, etc. in 1 week.
Technologies: PHP, MySQL, HTML, CSS, AJAX/JQuery.
- Technology Chair** ENGINEERING STUDENT ACTIVITY COUNCIL EXECUTIVE BOARD 2008–2009
Drove brand marketing and communications operations. Streamlined online financial process for over 25 constituent groups by building easy to use and automated online budget forms, significantly increasing on-time submit rate.
- Halo: Choate Evolved** CHOATE ROSEMARY HALL 3D GRAPHICS INDEPENDENT STUDY 2005–2006
Designed and developed a 3D First-Person Shooter in Java with a team of 3 from the ground up: renderers, shaders, game engine, physics engine, character and object models, particle effects, including grenades and ninja stars.
- Founding Member** PENN LIONS, LION DANCING TROUPE SINCE 2007
Successfully started a profitable inter-collegiate lion dance performance troupe. In only a few years, was able to compete and win first place at the 2010 East Coast Intercollegiate Lion Dance Competition at Columbia University.

Founder & Principle Bass	THE NAMELESS A CAPPELLA GROUP	FALL 2011
Founding Member	LUNAR NEW YEAR CELEBRATION INITIATIVE	SPRING 2010
Volunteers Committee, Team Leader, Volunteer	ACM SIGGRAPH	SINCE 2008
Vice President of Marketing	THE PENN FUND EXECUTIVE BOARD	2009–2010
Vice President of Technology	WHARTON POLITICS & BUSINESS ASSOCIATION BOARD	2007–2008
Programming Chair	ASIAN PACIFIC AMERICAN HERITAGE WEEK BOARD	2008–2009
CIS Department Leader	ENGINEERING ORIENTATION PEER ADVISORS	2007–2009
Deputy Warden	BLOOMBERG LP FIRE SAFETY TEAM	SINCE 2011
Residential Advisor	HARRISON COLLEGE HOUSE STAFF	2008–2010
Male Lead	PENN TAIWANESE SOCIETY MUSICAL	SPRING 2009
1st Chair, 2nd Trumpet	PENN SYMPHONY ORCHESTRA	2008

HONORS & MEMBERSHIPS

» The James Brister Society UPAAN Student Leadership Award	2010
» Institute of Electrical and Electronics Engineers (IEEE)	SINCE 2010
» University of Pennsylvania Oracle Senior Honor Society	2009
» RIM Blackberry User Interface Design Contest, 3rd Place Winner	2008
» University of Pennsylvania Fine Arts Juried Art Exhibition, Juror's Award	2008
» University of Pennsylvania Asian Pacific American Leadership Initiative	2008
» Association for Computing Machinery (ACM)	SINCE 2008
» Research Opportunities in Penn Engineering (ROPE) Award	2007
» University of Pennsylvania Office of Student Life Leadership Program	2007
» College Board AP Scholar with Honors	2006
» General Electric Computer Science Contest Top 20 Award	2005

PERSONAL

Citizenship : CANADIAN (H-1B WORKING VISA STATUS)

Interests : FOODIE, OPENSOURCE, HACKATHONS, RPGS, VIM, LION DANCING, TRAVEL, ROCK CLIMBING.