

# ANTHONY ROLDAN

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2231 Ward St Apt A, Berkeley, CA 94705

mobile (617) 818-1750 | email [aroldan@gmail.com](mailto:aroldan@gmail.com) | web <http://www.anthonyroldan.net> | twitter [@aroldan](https://twitter.com/aroldan)

## SKILLS

- Full web/mobile stack design and development: HTML, CSS, JavaScript, JQuery, Python/Django, PostgreSQL, MySQL, PHP, Appcelerator Titanium, Java/Android SDK, Flash/ActionScript, Photoshop, Illustrator, Balsamiq Mockups
- Other good stuff: Eclipse, VHDL, Verilog, SVN, Git

## WORK AND PROJECT EXPERIENCE

### SECOND GLASS / BOSTON, MA AND SAN FRANCISCO, CA

JUNE 2010-DEC 2011

#### VICE PRESIDENT, TECHNOLOGY

- Conceptualized, designed, and developed mobile and web applications to connect young wine drinkers with wineries
- Lead engineering and business team through the entire design process from brainstorming and mockups in Balsamiq mockups to detailed technical design to completed application
- Architected web and mobile infrastructure in Python/Django/PostgreSQL on the web side and Appcelerator Titanium for iOS and Java/Android SDK on mobile, creating a site with over 8,000 users and 45,000+ wine reviews
- Designed and wrote an in-house custom ticketing and HTML5/JQuery check-in system, used to sell and process over \$250k in revenue in 2011
- Prepared real-time displays and ran Front of House at 1,000+ person wine events around the country

### QUICKWARE ENGINEERING AND DESIGN / WALTHAM, MA

SUMMER 2007-JAN 2011

#### ELECTRICAL ENGINEER

- Designed, implemented, tested, and verified custom logic emulating PDP-11 computers and peripherals and interacting with memory, display, and system bus controllers in VHDL for Virtex-5 FPGAs for deployment in a nuclear power facility
- Created an assembly language for a control panel, an assembly interpreter in Adobe Flash for rapid iteration (yes, really!), then built a hardware device to run that language
- Wrote system and component level documentation
- Presented and defended design decisions to clients and responded to client feedback

### FRANKLIN W. OLIN COLLEGE OF ENGINEERING / NEEDHAM, MA

MAY 2008

#### ALUMNI REPRESENTATIVE, OLIN COLLEGE CLASS OF 2008

- Acted as liaison between alumni and Olin College, assisted in development calls and planning
- Organized strategic planning meetings and bar events for groups of 60-80 Olin Alumni

#### TEACHING ASSISTANT, PRINCIPLES OF ENGINEERING

- Helped students through the design process of mechatronic systems, including circuit design, embedded C development on PIC microcontrollers, debugging of electronic systems, and creation of design review presentations

#### VICE PRESIDENT OF CAMPUS LIFE, COUNCIL OF OLIN REPRESENTATIVES (2007-2008)

- Organized budgeting and communication for 58 campus clubs; revamped the budgeting system to be fairer and more consensus-based

#### ADMISSIONS OFFICE DESIGN BUILD COORDINATOR (2007)

- Lead a team of 22 people in brainstorming, prototyping, and executing an admissions design activity for 180 Olin candidates

## EDUCATION

### FRANKLIN W. OLIN COLLEGE OF ENGINEERING / NEEDHAM, MA

MAY 2008

#### BACHELOR OF SCIENCE IN ELECTRICAL AND COMPUTER ENGINEERING

- Coursework included Software Design, Principles of Engineering, Software Systems, Digital Imaging, Virtual Form, User Oriented Collaborative Design, Signals and Systems, Human Factors and Interaction Design, Computer Architecture, Embedded Systems Design, Analog and Digital Communication, Immunology, Issues in Leadership and Ethics  
GPA 3.7/4.0