Matthew Chiaravalloti

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mattchiaravalloti.github.io
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Education

University of Pennsylvania
Bachelor of Science in Engineering in **Computer Science**, *3.08*
May, 2017

Coursework

Current:
- Computer Organization and Design
- Database and Information Systems

Prior:
- Operating Systems
- Scalable and Cloud Computing
- Introduction to Algorithms
- Software Design/Engineering
- Programming Languages and Techniques I & II
- Introduction to Computer Architecture
- JavaScript: Intro to Front End Web Development

Skills

Languages & Framework:

Java, JavaScript, jQuery, CSS, HTML5, Node.js, Express.js React.js, Backbone.js, Hadoop MapReduce, OCaml, C, Python, C++

Other Tools and Skills:

Android Development, git, AWS, Linux/UNIX, Agile Development

Projects

School/Team:

Pennbook, Web App—NETS212 Final Project (http://52.90.42.125:8080/)
Study Buddy, Web App—CIS350 Group Project | *Fync,* Web App—PennApps X |
FB Messenger Encryption, Chrome Extension—PennApps XII

Personal:

Common Actors and *Color Changer*, published Android Apps

Employment Experience

Head Teaching Assistant (TA)   Aug 2014 - Present

U. of Pennsylvania, School of Engineering and Applied Science
CIS-120: Programming Languages and Techniques I
- Head TA since January 2016, responsibilities in conjunction with co-Head TA and Professor:
  o Plan and lead staff meetings
  o Assist in training of new TAs
  o Coordinate grading and scheduling for a staff of 26 TAs and class of over 240 students
- Assist in teaching of functional and object-oriented programming in OCaml and Java
- Hold weekly office hours to help students one-on-one with homework/concepts
- Lead weekly recitation of approximately 20 students to review lecture material
- Plan lab lessons, grade homework and exams, update homework assignments prior to release

Instructor   June – July 2015

iD Tech Programming Academy, Princeton University
Programming Labs 101
- Instructed 2-week sessions of the Programming Labs 101 course to high school students, class size of 8
- Introduced programming concepts and revealed similarity between different languages
- Taught Java, C++, Python, JavaScript, HTML, and CSS; also introduced various IDEs

Web Developer   Jan - May 2015

The Daily Pennsylvanian, (U. of Pennsylvania Newspaper)
- Built special websites for featured stories such as the Penn Bracket and the Best of Penn 2015
- Wrote and embedded HTML, CSS, and JavaScript into stories on the newspaper's website

Information Center Specialist   Aug – Dec 2014

U. of Pennsylvania Residential Services, Gregory College House
- Worked as central service provider for resident and guest services
- Issued and updated SALTO room keys for residents, and logged service activity and other residential issues

Interests Rock Climbing, Snowboarding, Movies, Sudoku