

# Matthew Chiaravalloti

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## Education

**University of Pennsylvania**  
Bachelor of Science in  
Engineering in  
**Computer Science, 3.0**  
May, 2017

## Coursework

### Current:

- Operating Systems
- Scalable and Cloud Computing

### Prior:

- Introduction to Algorithms
- Software Design/Engineering
- Programming Languages and Techniques I & II
- Introduction to Computer Architecture
- JavaScript: Intro to Front End Web Development
- Automata, Computability, and Complexity

## Skills

### Languages & Frameworks

(in order of proficiency):

Java, JavaScript, jQuery,  
HTML5/CSS, Node.js, React.js,  
Backbone.js, OCaml, Python, C, C++

### Other Tools:

Android Development, git, Agile Development Process

## Projects

### School/Team:

*Study Buddy*, Web App—CIS350  
Group Project

*Fync*, Web App—PennApps X

### Personal:

*Common Actors and Color Changer*, published Android Apps

## Employment Experience

### Teaching Assistant (TA)

Aug 2014 - Present

*U. of Pennsylvania, School of Engineering and Applied Science*

CIS-120: Programming Languages and Techniques I

- 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
- Fostered passion for programming—at least 4 students claimed they wanted to study CS in college

### 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
  - Both pages were among the top visited newspaper-affiliated websites when published
- 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