# 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, Sudoku