



# Evan Pellegrini

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## Objective

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I will be graduating from UC Berkeley in May 2017 and I plan to find a Software Engineering position. My computer science interests lie more in Back End web development but I am open to other areas as well. Visit [epellegrini.com](http://epellegrini.com) to see a more detailed description of my projects, source code, and demos.

## Education

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### **BA in Computer Science, University of California, Berkeley (expected 2017)**

- **Relevant Coursework:** Structure and Interpretation of Computer Programs, Data Structures and Advanced Programming, Machine Structures, Computer Security, Efficient Algorithms and Intractable Problems, Introduction to the Internet, Artificial Intelligence

## Skills

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- ❖ **Languages (in order of proficiency):** Python, Scala, Java, Javascript, Ruby, C, SQL, C++
- ❖ **Front-end web Development:** Javascript, jQuery, CSS3, HTML5, Bootstrap
- ❖ **Back-end web Development:** Flask, MySQL, Heroku, Ruby on Rails
- ❖ **Experience with Functional Languages**
- ❖ **Proficient with Linux command line**

## Experience

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### **HERE Mapping Company: Software Intern (Summer 2015 - Full Time, Fall - Part Time)**

- collected information from over 100 street-view vehicles with python (along with Bash, Ruby, and Javascript) on AWS server
- used python multithreading and process forking to ping and retrieve information from street-view vehicles in parallel, increasing retrieval rate 10 fold
- utilized Chef to automate infrastructure, allowing for simple, fast redeployment (sometimes multiple times a day)
- worked with HTML, CSS, Javascript, JQuery, and Bootstrap for front-end UI
- collaborated with a team of software engineers to understand and use internal API's

### **College of Chemistry Building Management Student Assistant (Aug 2013-Sep 2014)**

- worked unsupervised, conducted building maintenance, moved and disposed of lab equipment.
- communicated with multiple departments within the College of Chemistry to achieve certain tasks

## Projects

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### **Turn Based Strategy Game, written in Scala**

- used functional tools to write cleaner, more concise code
- implemented AI algorithms for opponent players to traverse map
- used OOP principles to maximize organization of the 4,000+ lines of code and to increase reusability

### **Yelp Meets Tinder - Swipe Right to Find Food**

- used flask with Yelp API to retrieve local restaurant information

### **Traverse Services**

- built a survey webpage for a startup
- used Ruby on Rails as backend to store survey results

## Activities

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### **President of Kidd Hall in Berkeley Student Cooperative**

- facilitated weekly council of 17 people
- managed conflicts between house members
- managed house account of over \$10,000

### **Studied Abroad Spain (Spring 2016)**

- lived with a Spanish family
- classes were taught in Spanish

### **Backpacked Europe (Summer 2016)**

- traveled to 10 countries in Europe