

ALEXANDER FRANCIS

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EDUCATION

University of California, Berkeley

B.A. in Computer Science & Statistics

May 2017 (Expected)

GPA: 3.77/4.0 (Honors)

EXPERIENCE

Kleiner, Perkins, Caufield & Byers (KPCB) Fellows Program

May 2015 - Present

Software Development Intern at BetterWorks, Inc.

Palo Alto, CA

- Selected as 1 of 60 students from a pool of over 2,500 applicants to participate in the top engineering program for young people interested in technology and entrepreneurship in the Silicon Valley
- Refactored backend search infrastructure by connecting Django models to Elasticsearch indices, allowing fuzzy search
- Created and contributed to several open source projects for use in the BetterWorks code base, including celery-bungiesearch

Data Structures (CS61B) Course Staff

January 2015 - May 2015

Lab Assistant

Berkeley, CA

- Hosted office hours and performed didactic whiteboard demonstrations for students struggling with important concepts
- Interfaced with students with specific questions about the lab each week, helping them to fix programming errors

PIX System

May 2014 - July 2014

Software Development Intern

San Francisco, CA

- Designed Python programs that interfaced with client server data, parsed it, and entered it into Mongo Database
- Created REST API using Flask module, which performed hierarchical filtering on server data based on URL requests
- Developed final user interface using JavaScript, CSS, and HTML, transforming the REST API into visualization tools

Auxogyn, Inc., Research Associate

June 2013 - August 2013

Stanford University, Institutes of Medicine Summer Research Program

June 2012 - August 2012

Promega Corporation, Research Assistant

June 2011 - August 2011

PROFESSIONAL DEVELOPMENT

Theta Tau Engineering Fraternity

February 2014 - Present

Professional Development Officer, Industrial Relations Chair

Berkeley, CA

- Lead corporate sponsorship efforts and maintain relationships with tech companies for the benefit of the chapter
- Coordinated information sessions with Goldman Sachs, Splunk, and Kleiner Perkins

Upsilon Pi Epsilon (International Computer Science Honor Society)

February 2015 - Present

Professional Development Committee

Berkeley, CA

HONORS & AWARDS

EECS Honors Degree Program

August 2015 - Present

Faculty Advisor: Professor Michael Franklin, Director of AMPLab

Berkeley, CA

- Selected as 1 in 30 students out of approximately 2000 total EE/CS undergraduate students to participate in program designed to provide undergraduates with research opportunities and increased academic flexibility
- Pursue research in large-scale data management infrastructure and applications in association with UC Berkeley faculty
- Earn official notation of the honors degree upon graduation

TECHNICAL SKILLS

Skills - Proficient:

Java | Python | R | LaTeX

Skills - Familiar with and further pursuing:

Linux | C | Objective-C | JavaScript | HTML | CSS | Django | MongoDB | Flask | Scheme | MIPS Assembly