Gavin Lee

gavinblee@berkeley.edu | 626.377.0885

EDUCATION

UC BERKELEY
BS, COMPUTER SCIENCE
Expected December 2017
Major: EECS
Cum. GPA: 3.48

LINKS

Website:// **gavinblee.com**
Github:// **Gavin777**
LinkedIn:// **gavinblee**

SKILLS

Languages
Proficient:
Python, Java, C# , HTML
CSS
Familiar:
JavaScript, SQL, Ruby, C, C++
Bash

Software/Framework
Git, Maven, Spring, Docker,
Jenkins, AWS, Mockito,
PostgreSQL MySQL, Rails,
IntelliJ, Vagrant, VirtualBox

COURSEWORK

CS162: Operating Systems*
INFO253: Web Architecture*
CS186: Database Systems
IEOR190D: Data, Signals and
Systems
CS168: Internet Architecture
CS161: Computer Security
CS170: Efficient Algorithms
CS188: Artificial Intelligence
CS C8: Data Science
CS61C: Computer Architecture
CS61B: Data Structures
CS61A: Structure and
Interpretation of Computer
Programs (Lab Assistant)
* In progress

ACTIVITIES

2016   Intramural Volleyball
2016   Tennis at Cal
2015   Celli at Berkeley
2015   Pioneers in Engineering
2014   Klesis

EXPERIENCE

THE CLIMATE CORPORATION | SOFTWARE ENGINEERING INTERN
May 2017 - August 2017 | San Francisco, CA
- Designed, developed and deployed a full stack data visualization service
  - Responsible for frontend in JavaScript, backend in Java and all aspects of deployment, including continuous integration and development using Docker containers and AWS ECS and promoting to different environments using Jenkins
- Removed connection secrets from source code by using AWS SSM Parameter Store
- Created new features and wrote unit tests and integration tests for a service that manages product entitlements

OSISOFT | SOFTWARE ENGINEERING INTERN
May 2016 - August 2016 | San Leandro, CA
- Reliability: Used C# to automate and refactor tests as well as write performance tests to detect regressions, test improvements and eliminate bottlenecks
- DevOps: Wrote Powershell script that remotely updates production software on multiple machines in parallel
- Feature work: Collaborated with other teams to create new features in C++ and expose them in the graphical user interface. Also wrote automated tests for these features
- Security: Fuzz tested production software using Wireshark and Peach3

TECHHIRING | SOFTWARE ENGINEERING INTERN
Feb 2016 – May 2016 | Remote
- Implemented maintenance endpoint that generates statistics and sends daily summary emails to the business administrators
- Incorporated a projects showcase feature into the user portfolio
- All tasks completed using Python and PostgreSQL and then exposed to front end

PIONEERS IN ENGINEERING | SOFTWARE ENGINEER
September 2015 - May 2016 | Berkeley, CA
- Development Operations: Set up virtual machines to optimize development and testing. Removed need for physical robot to test code through virtual simulation
- Web Development: Designed and developed Pioneers.berkeley.edu using Jekyll

BREAKOUT MENTORS | PRIVATE TUTOR
May 2016 – Present | Berkeley, CA
- Teach students fundamental programming and web development concepts in one-on-one setting using Python, Java and HTML/CSS/JavaScript.
- Prepare students for the AP Computer Science A exam

PROJECTS

THREADS September 2017
- Used C to create an efficient alarm clock, priority scheduling, priority donation and multi-level feedback queue scheduling for the Pintos operating system

SECURE FILE STORAGE CLIENT October 2016
- Used Python and its cryptographic tools to build a secure file storage client. Features include sharing/revoking access to files and efficient updates using Merkle trees

JUICYBEAN May 2012 – July 2012, June 2015- July 2015
- Independently developed JuicyBean, an Android game with over 2500 downloads