Gavin Lee

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EDUCATION

UC BERKELEY
BS, Computer Science
Expected May 2018
Major: EECS
Cum. GPA: 3.49

LINKS

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

COURSEWORK

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

SKILLS

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

Software/Framework
Git • Powershell • PostgreSQL
SQLite • Rails • .NET • Eclipse
JUnit • Visual Studio
Android Studio • Meteor
Jekyll • Bootstrap • SemanticUI

ACTIVITIES

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

EXPERIENCE

OSISOFT | Software Engineering Intern
May 2016 - August 2016 | San Leandro, CA
- Reliability: Used C# to automate and refactor existing tests as well as write performance tests to detect regressions, test improvements and eliminate bottlenecks. Also addressed test failures from nightly test runs
- 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: Used Wireshark to examine packets sent from and received by production software. Then used this information to create Peach pits for fuzz testing

JUPIGO | Software Engineering Intern
October 2016 - Present | San Francisco, CA
- Redesign and develop Jupigo.co using MeteorJS. Includes maintainable blog

TECHHIRING | Software Engineering Intern
Feb 2016 – May 2016 | Remote
- Used Python and PostgreSQL to implement maintenance endpoint that generates and sends daily summary emails to the business administrators, to integrate LinkedIn signup and to include projects showcase section in user portfolio

PIONEERS IN ENGINEERING | DevOps and WebDev Staff
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 by simulating computer on-board a robot and providing virtual sensors
- 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 and HTML/CSS/JavaScript

BOOLAMARKET | Front-End Web Developer
Feb 2016 – May 2016 | Remote
- Develop website within Ruby on Rails framework for BoolaMarket.com, a Yale peer-to-peer online marketplace

PROJECTS

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

CHAT SERVER September 2016
- Used Python and the socket API create a chat server with multiple channels

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