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JUSTIN IRVIN A. BARROS

929 Rose Ave
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EDUCATION

Bachelors of Science in **Computer Science. University Of California, Santa Cruz**, June 2016

SKILLS .

- Languages: **Python (Proficient), Java (Proficient)**, C/C++ (Intermediate), JavaScript (Intermediate), HTML/5, CSS/3, PHP, JSON, Unix/Linux/Bash shell scripting.
- Libraries/Frameworks/APIs: JQuery, Angular.js, Appium, Selenium, Node.js/npm, Express.js, D3.js, Bootstrap, XML, Django, Flask.
- Database: PostgreSQL, MongoDB, MySQL.
- Technologies: Eclipse, JUnit, TestNG, Jenkins, unittest (python), Jira, LaTex, Git/SVN, Servicenow, MATLAB, VM/Containers: (VirtualBox, VMWare, Docker Container, Kubernetes Pods).
- Strong skills in algorithms and data structures.
- Experience in scrum and agile methodologies.
- Fluent in Tagalog and novice in Japanese.

PROJECTS .

- Developed simple shells, data deduplication servers, and a MINIX 3 kernel lottery scheduler in C.
- Multi-Directional 'Connect 4' game with functioning AI in JavaScript and Python.
- Real-Time visual dashboard implementation for the utility usage in the Monterey Bay National Marine Sanctuary at Santa Cruz, CA.
- Wrote a compiler using **C++, Bison, and Flex** for a C-like language.
- Wrote an MMORPG Java plugin for Minecraft using a CraftBukkit API. Utilized Hash Maps, asynchronous threading, and data binding to change gameplay dynamics.
- Chrome Extension:https://chrome.google.com/webstore/detail/peek/icebehakioppnbnkcllakopjnmlkaabj
- GitHub: https://github.com/jabhax

EXPERIENCE .

Software Engineer, DATERA, Santa Clara, CA – April 2017 ~ Present
- Python development for new & existing tests in order to automate and identify regressions in the product involving data read/write mismatches, race conditions from timing or asynchronous callbacks.
- Python development for internal framework APIs to communicate with cluster/storage nodes.
- **Owned 2-3 core product features** from a QA Automation standpoint.
- Mentored new & existing core QA members in areas of ownership.
- Proficient in **iSCSI, cloud clusters, iops, data replication, and application/data driven practices.**

Software Developer, Wells Fargo Bank, San Francisco, CA – July 2016 ~ March 2017
- Framework development for automation testing using **Java, Appium, Selenium, JUnit, and TestNG**.
- Performed QA automation testing on Android and iOS mobile devices for the Wells Fargo mobile app.
- Heavy exposure to mobile development, various software architectures, QA automation/whitebox testing.

Software Engineer Intern, Xactly Corporation, San Jose, CA – January 2016 ~ June 2016
- Developed and designed a full stack web-based application for form creation, management, submission, and result visualization. It features a dynamic UI form generator similar to Wufoo or Google Forms.
- Designed for three types of users: Administrators, Managers, and Employees.
- Heavy exposure to **JQuery, AngularJS, NodeJS, Express, MongoDB and MySQL**.
- Worked in Agile development environments using scrum and burn-up charts under Xactly's mentorship.

ResNet Technician & Lead/Supervisor, UC Santa Cruz, CA – September 2013 ~ June 2016
- Worked as a full-time student to interview, train, and manage 20+ staff members in IT computer repair, network troubleshooting, and customer relationship management.
- Expedited and delegated the repairs of dozens of computers within the office with various issues including virus infections, re-formats, and replacing malfunctioning hardware on a daily basis.
- Effectively resolved hundreds of campus wide network outages using tools and skills that identified disruptive network behaviors.