Jacob Armentrout

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**PROFESSIONAL EXPERIENCE**

**ICS COMPUTING SUPPORT Irvine, CA**

*Linux Administrator Jan 2016 - Present*

* Deploy and maintain hundreds of servers being used by thousands of UCI students and faculty
* Use a variety of configuration tools to provide custom environments for different user groups

**HGST INC. Santa Ana, CA**

*ASIC Validation Intern June 2016 – Sept 2016*

* Implemented a version control utility to increase management’s visibility on software projects
* Developed independently and provided weekly status reports of my progress

**WESTERN DIGITAL CORPORATION Irvine, CA**

*Strategic Infrastructure Intern Sept 2013 – Sept 2015*

* Collaborated on a cross platform, end to end, automation system that launched test, logged results, and notified failures
* Presented completed project to customer; received best in class rating and approved for default test method
* Increased test throughput 200-300% compared to manual validation

*Enterprise Storage Datacenter Technician II* *Aug 2012 – Sept 2013*

* Validated HDD performance and reliability by administrating a series of benchmark tests
* Administered server preparations over a variety of the most popular storage configurations

**PROJECTS**

**PYTHON**

* Deployed a Django website to execute several computational geometry algorithms on user datasets
* Developed a version control utility to send tailored emails to users on commit
* Automated a series of HDD power cycle tests using Quarch Technology

**JAVA**

* Optimized an AI to compete in a connect-k tournament and scored in the top 10%
* Designed a web crawler that gathered web pages and used their information to build a search engine
* Managed the development of a website to search and shop for movies
* Produced a tutorial website with an administrator dashboard to edit tutorial content

**C/C++**

* Created a prompt that accepts linux shell commands and executes them, including redirects and piping
* Authored a multi-threaded client-server application that copies files from the server to the client
* Customized basic data structures: stack, queue, hash map, vector, set, priority queue, etc

**ORGANIZATIONS**

**UCI APP DEVELOPMENT Irvine, CA**

*President Oct 2014 - Sept 2016*

* Led officers in discussions about club productivity, funds, events, and recruitment opportunities
* Held workshops available to all UCI students to teach various software concepts and skills

**EDUCATION**

**University of California, Irvine June 2017**

*Bachelor of Science in Computer Science, specializing in Algorithms*

Cumulative GPA: 3.424 | School GPA: 3.61