Dyllon Gagnier

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EDUCATION

UNIVERSITY OF UTAH
BS/MS Computer Science
Dean's List (All Semesters)
Expected May 2018 | Salt Lake City, UT
Cum. GPA: 3.933 / 4.0

LAYTON HIGH SCHOOL
Grad. May 2012 | Layton, UT
Summa Cum Laude

COURSEWORK

UNDERGRADUATE
Computer Networking
Databases
Data Structures and Algorithms
Probability and Statistics
Fundamentals of Digital System Design
Discrete Mathematics
Software Practice

SKILLS

LANGUAGES / FRAMEWORKS
- Python
- Haskell
- Javascript
- Django (Python)
- Dropwizard (Java)
- Java
- C++
- SQL
- C#

PROGRAMMING SKILLS
- Database Schema Design and Normalization
- Test Driven Development
- Automated UI Testing
- General-Purpose GPU Computing
- Functional Programming
- Parallel Programming
- Web Frontend and Backend
- Object Oriented Programming

LINKS
Facebook:// **dyllon.gagnier**
LinkedIn:// **pub/dyllon-gagnier**
GitHub:// **slaymaker1907**

EXPERIENCE

GOLDMAN SACHS | Private Wealth Management Technology Intern
June. 2016 - present | Salt Lake City, UT
- Improved existing internal framework by removing database deadlock condition.
- Developed REST backend for document metadata repository using Java Dropwizard.

UNIVERSITY OF UTAH SCHOOL OF COMPUTING | Teaching Assistant
Jan. 2016 - May 2016 | Salt Lake City, UT
- Taught small to medium sized groups of students about assembly programming and computer architecture.
- Designed automated test framework for the MARS MIPS assembly simulation program to grade student work quickly and fairly.

PANASONIC R&D COMPANY OF AMERICA | Software QA Intern
June 2015 - Aug. 2015 | Salt Lake City, UT

- Developed complex integration tests for the OpenDOF distributed object framework in C#, C, and Java. (OpenDOF.org)
- Performed full QA and testing of the OpenDOF Interface Repository 1.0 (https://interface.opendof.org/)

GENERAL ATOMICS AERONAUTICAL SYSTEMS, INC. |Software Development Intern
Dec. 2014 - May 2015 | Layton, UT
- Wrote automated UI tests for Claw (GUI for image processing on drone images).
- Developed a module that was able to detect from two images of text with differing texts if one was bolded.

EXTRACURRICULAR

TRIANGLE FRATERNITY - UTAH CHAPTER | Vice President
Dec. 2015 - June 2016 | Salt Lake City, UT
- Designed website including alternative voting app (utahtriangle.com) using Django.
- Enforced rules and bylaws of chapter.
- Also was a chartering member of Utah Triangle as well as an author to the By-Laws and Constitution of Utah Triangle.

SPECIAL PROJECTS
- Infrared communication system including an error detection and correction scheme.
- Developed a 4-bit CPU in Verilog.
- Optimized HearthSim (an open-source simulator for the game Hearthstone) for parallelization at least up to 40 cores and developed an AI for drafting decks.
- Wrote a stateless password manager (see https://slaymaker1907.github.io/password/).