

Dyllon Gagnier

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EDUCATION

UNIVERSITY OF UTAH BS COMPUTER ENGINEERING

Dean's List (All Semesters)

Expected April 2017 | Salt Lake City, UT

Cum. GPA: 3.933 / 4.0

LAYTON HIGH SCHOOL

Grad. May 2012 | Layton, UT

Summa Cum Laude

COURSEWORK

UNDERGRADUATE

Linear Algebra

Object Oriented Programming

Data Structures and Algorithms

Probability and Statistics

Fundamentals of Digital System Design

Discrete Structures

Software Practice

SKILLS

PROGRAMMING LANGUAGES

- Java
- Python
- Amazon Web Services
- C++
- Arduino
- C#
- Verilog

PROGRAMMING SKILLS

- Test Driven Development
- Automated UI Testing
- General-Purpose GPU Computing
- Functional Programming
- Parallel Programming

LINKS

Facebook:// [dyllon.gagnier](#)

LinkedIn:// [pub/dyllon-gagnier](#)

GitHub:// [slaymaker1907](#)

EXPERIENCE

PANASONIC R&D COMPANY OF AMERICA | SOFTWARE QA INTERN

June 2015 - Aug. 2015 | Salt Lake City, UT

- Developed complex tests for the OpenDOF distributed object framework in C#, C, and Java. (OpenDOF.org)
- Wrote scripts to run those tests on the Panasonic Distrubted Testing Framework (which ran on AWS).
- Ensured that all documentation for components was present and accurate.
- 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).
- Used .NET API to simulate user interaction.
- Used TFS version control in Visual Studio including practicing code review, working in multiple branches, and merging conflicting change sets.
- Developed a class that was able to detect from two images of text with differing texts if one was bolded.

PUBLIC INTEREST COMMUNICATIONS | TELEMARKETING

SPECIALIST

June 2014 - Aug. 2014 | Salt Lake City, UT

- Worked calling on the phones for various non-profits to fundraise and raise awareness.
- Was regularly well above average on most metrics including sales percentage and average gift.
- Assisted fellow employees in strategy sessions during difficult campaigns.

EXTRACURRICULAR

TRIANGLE FRATERNITY - UTAH CHAPTER | NEW MEMBER

EDUCATOR

Dec. 2014 - Present | Salt Lake City, UT

- Attended the Membership Education Forum in Indianapolis, ID.
- Developed a 10-week curriculum to help acclimate new members to college life and to instill in them a strong set of values and leadership.
- Also was a chartering member of Utah Triangle as well as an author to the By-Laws and Constitution of Utah Triangle.

SPECIAL PROJECTS

- Developed a robust timing framework in Java that did automatic statistical analysis.
- Infrared communication system including an error detection and correction scheme.
- A 4-bit ALU along with memory registers that formed a very simple CPU.
- 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.