NATHAN MILOT

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EDUCATION

Bachelor of Science in Computer Science   **May 2019**
University of Utah, Salt Lake City, UT

- GPA 3.45
- CS Coursework: Object Oriented Programming, Algorithms and Data Structures, Software Practice, Computer Organization, Engineering Probability and Statistics, Software Practice II, Discrete Structures, Scientific Computing, Mobile Applications, and Computer Systems.
- Currently Enrolled: Parallel Programming, Senior Capstone Design, Algorithms, Research Forum, and 3D Modeling.
- Made Dean's list multiple semesters.
- President of the Association for Computing Machinery University of Utah Chapter.

PROGRAMMING EXPERIENCE

Google – Software Engineering Intern   **May – Aug 2018**
Main Languages: Java, HTML, Bash   **Mountain View, CA**

- Converted an html file into a container and dispatcher to allow independent use and improved hermiticity.
- Implemented an api in the Google Web Server to facilitate the html file conversion.
- Simplified usage of internal classes by eliminating unnecessary parameters.
- Developed an auto refactoring tool to optimize migration time and reduce developer workload.
- Became familiar with internal products and bash in order to build refactoring tool.
- Submitted code in Java, HTML, Bash, C++, and others.
- Had a total code delta of over 18,000 lines.

Google – Engineering Practicum Intern   **May – Aug 2017**
Main Languages: Java   **Los Angeles, CA**

- Worked on improving sales report notifications, optimizing notification generation, and adding features.
- Developed a design doc to guide development.
- Built full stack support for users to unsubscribe from notification emails.
- Used a variety of internal products to optimize the project.
- Worked closely with my pod mate and hosts to successfully implement our design in a timely manner.
- Had a total code delta of over 2,900 lines.

University of Utah – TA   **Aug 2017 – Current**
CS 1410 – Object Oriented Programing (Java)   **Salt Lake City, UT**

- Helped new computer science students learn the fundamentals of OOP and Java.

CS 3500 – Software Practice (C#)

- Led labs and help hours to teach students and strengthen software development abilities.

University of Utah – Student   **Jan 2016 – Current**

- Learned how to develop in a low-level language and with the command line.   **Salt Lake City, UT**
- Developed iOS mobile applications and learned mobile development practices.
- Built large-scale applications on teams of 4 to 8 and studied large-scale software development practices.
- Built various applications for school and applied knowledge gained to personal projects.
- Deepened understanding of Object Oriented Programing, Java, Data Structures, and Algorithms.

LANGUAGES

Language	Approximate Hours of Experience	Role
Java	1250	Internship, TA, Coursework
C#	500	TA, Coursework, Personal
C++	200	Coursework
C	200	Coursework
Swift	250	Coursework
HTML	200	Internship, Personal
Bash	50	Internship, Personal

INTERESTS & PERSONAL ACTIVITIES

Family, programming, backpacking, camping, reading, photography, traveling, and cooking. Lived internationally for several years and am a fluent French speaker.