

Sage Michaels

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Skills

- Python
- Java
- C
- UNIX
- LaTeX
- XML
- SML
- GoLang
- Max/MSP/Jitter
- Haskell
- Github
- Microsoft Office
- Adobe After Effects

Education

Reed College

BA

Portland, Oregon

2014 - 2018

Interdisciplinary mathematics and computer science major

Work Experience

Correlor Technologies Inc.

Software Development Intern

May-September 2017

- Developed Android mobile app using Android Studio
- familiar with SCRUM project workflow method
- Introduced to tools used in machine learning
(i.e. boosted trees, regression trees, k nearest neighbor)

Relevant Courses

Indistinguishability Obfuscation and Functional Encryption

Senior Thesis

September 2017-May 2018

- One year of self directed cryptography research into the theory, application and efficiency of new cryptographic primitives.
- Created protocol for secure first bid sealed auctions that only reveal amount of winning bid

Computer Science Fundamentals

Three Semesters

2015-2016

- Object oriented programming
- Functional programming
- Concurrency
- Client/Server Networks
- Assembly programming (x86)

Algorithms and Data Structures

Two Semesters

2015-2017

- Formal analysis of runtime efficiency
- Graph Theory
- Approximation Algorithms
- Online Algorithms
- Dynamic Programming
- Linear Programs