

IAN MCQUOID

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EXPERIENCE

Software Engineering Intern

Mentor Graphics

📅 June 2019 — December 2019 📍 Wilsonville, OR

Implement performance analysis paradigms and develop tools for analyzing performance and JIT code using VTune, Collect, and PAPI. Decrease the runtime of an internal tool by a factor of 1000. Work on a large codebase using perforce for version control.

Software Engineering Intern

Digimarc Corporation

📅 April 2018 — September 2018 📍 Beaverton, OR

Follow object oriented and functional software engineering paradigms in Python and C++. Debug code on Linux, OSX, and Windows platforms. Work in an agile environment with a team of six people.

PUBLICATIONS

👥 Conference Proceedings

- McQuoid, Ian, Mike Rosulek, and Lawrence Roy (2020). "Minimal Symmetric PAKE and 1-out-of-N OT from Programmable-Once Public Functions". In: *ACM Conference on Computer and Communications Security*.
- McQuoid, Ian, Trevor Swope, and Mike Rosulek (2019). "Characterizing Collision and Second-Preimage Resistance in Linicrypt". In: *Theory of Cryptography Conference*. Springer, pp. 451–470.

TECHNICAL SKILLS

Computer Security

Mathematics

Code Obfuscation and Analysis

Functional Programming

Object Oriented Programming

Agile/Scrum

Git

MY LIFE PHILOSOPHY

"If you're going to do it, do it right."

AWARDS



Eagle Scout

My project was in trail reconstruction on Mount McLoughlin

STRENGTHS

Quick Learner

Eye for detail

Communicator

LANGUAGES

C

C++

Python

EDUCATION

Ph.D. in Computer Science - Cryptography

Oregon State University

📅 December 2019 – Ongoing

B.Sc. in Computer Science

Oregon State University

📅 June 2019

GPA: 3.99

B.Sc. in Mathematics

Oregon State University

📅 June 2019

Overall GPA: 3.89