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, 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   Perforce

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   Haskell

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