

Kyle Storrier

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Education

University of Calgary (September 2016-Present)

- BSc., Computer Science (Honours) with a Mathematics Minor (Expected Graduation: December 2020)
- Coursework: Discrete Math, Linear Methods, Statistics, Formal Logic, Computability, Probability, Computing Machinery, Programming Paradigms, Algorithms, Combinatorics and Graph Theory, Software Engineering, Networks, Operating Systems, Retrogames, Quantum Computing, Abstract Algebra, Computer Security, Cryptography, Viruses and Malware, Number Theory
- GPA: 4.0

Work Experience

- **Google:** Software Engineering Intern (May 2020-August 2020) – San Francisco, California, USA
 - Will work on the Identity team to create backend software for authentication and authorization.
- **Google:** Software Engineering Intern (May 2019-August 2019) – Kitchener-Waterloo, Ontario, Canada
 - Collaborated with engineers from several engineering teams to create the user interface and backend for a web-based healthcare data analysis tool.
 - Implemented user interface components using CSS, TypeScript, and Java with data retrieved from the Google Cloud Healthcare API.
 - Created the server for the project using a microservice architecture.
 - Independently researched and setup static content serving for multiple projects.
- **Google:** Engineering Practicum Intern (May 2018-August 2018) – Kitchener-Waterloo, Ontario, Canada
 - Enhanced the user interface for Gmail Offline using CSS and JavaScript with the Closure Library.
 - Developed and maintained unit tests written in JavaScript using JSUnit.

Technical Skills

- **Programming Languages (Proficient):** Java, JavaScript, TypeScript, C
- **Programming Languages (Used):** Python, Haskell, Prolog, C#, C++, ARM and x86 Assembly Language, HTML, Markdown, CSS
- **Tools:** Google Closure Tools for JavaScript, Eclipse, git, Mercurial, Protocol Buffers, Visual Studio

Projects and Presentations

- Honours Research Project: Applying Zero-Knowledge Proofs to Distributed Point Functions (Supervisor: Dr. Ryan Henry).
- Presented an intern Talk at Google (2019) entitled *Treasures in Retrogame Archeology*.
- Led a multidisciplinary robotics team as captain and lead software developer (2012-2016) winning 12 awards including Winning Alliance Award, Chairman's Award, and Motorola Quality Award

Awards and Honors

- **Scholarships 2019-2020:** Jason Lang Scholarship, Gerald Roberts Mortimer and Victor Emanuel Mortimer Scholarship
- **Scholarships 2018-2019:** Louise McKinney Scholarship, ConocoPhillips Canada Scholarships
- **Scholarships 2017-2018:** Louise McKinney Scholarship, Gerald Roberts Mortimer and Victor Emanuel Mortimer Scholarship, University of Calgary Undergraduate Merit Award
- **Scholarships 2016-2017:** University of Calgary President's Scholarship, Gerald Roberts Mortimer and Victor Emanuel Mortimer Entrance Scholarship, Rutherford Scholarship, Diabetes Hope Foundation Scholarship, Vivian Stevenson Scholarship

Volunteer Work

- **FIRST Robotics Competition (FRC) and FIRST Tech Challenge (FTC):** Software Mentor (2015-Present)