

Naman Sood

mail@nsood.in | (437) 215-7822 | Waterloo, ON
www.nsood.in | github.com/namansood | linkedin.com/in/namansood

SKILLS

Languages JavaScript, Golang, Rust, C, HTML5, CSS3, Bash, Racket, C++, SQL, Python, PHP

Technologies Node.js, MongoDB, MySQL, React/React Native, gRPC, Linux, AWS, Firebase, Nginx, Apache, Docker

WORK EXPERIENCE

University of Waterloo

May 2020 – Aug 2020

Research Associate, Faculty of Engineering

- **Co-authored research paper** by conducting experiments on AWS, and analyzing experimental data for a novel Byzantine fault tolerance framework written in Golang and C++.
- **Hardened security** by implementing BLS threshold signature verification on clients connected to a distributed computing system.
- **Streamlined deployment** of project by using Docker to containerize dependencies for repeatable builds across diverse environments.
- **Backported components** of existing C++ utility to support development of changes in project forked from older version of utility.

Creesync Software

May 2019 – Aug 2019

Software Engineering Intern

- **Simplified delivery** of professional photographs, by creating REST API and native apps for photographers to preview photos to customers before delivery, using Electron, React Native, AWS S3, and MongoDB.
- **Reduced technical debt** in social media app by establishing DRY coding practices and implemented user-facing functionality - liking and creating image posts and comments, using React Native and Firebase.

The Girl Code

Mar 2018 – Apr 2020

Full Stack Developer

- Enabled school-aged girls to learn programming by **creating an online platform** to teach Python with intuitive tutorials, live code examples and a digital companion, using Node.js and MongoDB.
- Tracked usage of the learning platform in collaboration with **National University of Singapore** for research project, and received letter of recommendation from the University.

PROJECTS

Vibgyor *JavaScript, Apache Cordova*

Won 1st place in XINO 2018 hackathon. Optimized smartphone UX for visually impaired, using voice commands and live text narration.

Turtle Shell *C, POSIX APIs*

Shell for Unix-like operating systems in C. Learned dynamic memory management, process management, and usage of POSIX interfaces.

CHIP8-rust *Rust*

Implementation of CHIP8 virtual machine. Learned Rust, emulated behavior of machine instructions, and created graphics in a framebuffer.

EDUCATION

University of Waterloo

Sep 2019 – Apr 2024 (expected)

Candidate for Bachelor of Computer Science – 92.4%

- **Director, Developer Student Club (Google Developers):** Reached over 150 people to organize workshop by a Google engineer over two weeks, by creating and maintaining a website, social media handles, and posters.
- **Mentor, StarterHacks 2020:** Helped enable over 1000 participants by providing technical support and design critique in Canada's largest beginner-focused hackathon.