Cory Z. Crowley

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SUMMARY

Tech-minded individual with a passion to learn and create new technologies. Focus on software engineering, machine vision, machine learning, AI, full-stack web and mobile development, and entrepreneurship.

EDUCATION

Queen's University - *BASc. Electrical and Computer Engineering*   Class of 2019

- Innovation and Entrepreneurship Stream at Smith School of Business
- Principals Scholarship, Dean Scholar, Engineering Society, 1st Place in Engineering Innovation Competition
- Relevant coursework: *Advanced physics & mathematic, electronics, data structures & algorithms, computer architecture, operating systems, mechatronics, machine vision, pitching, funding, and launching start-ups.*

SKILLS & INTERESTS

- **Web Development:** JavaScript, React, Node.js, Routing, HTML, CSS, Live Deployment, APIs, Databases
- **Languages:** JavaScript, C++, C, C#, Java, Python, PHP, Assembly, Verilog
- **Technologies:** Git, Unity, Arduino, Linux, SQL, MongoDB, Nginx, Apache, Google Cloud, AWS
- **Interests:** Music production, DJing, stand-up comedy, hackathons, reading (sci-fi, music theory, war history, technology history, space science), video games, graphic and digital design, biking, running, backpacking

WORK EXPERIENCE

Microsoft — *Software Engineering Intern*   Summer 2018

- Developed a mixed-reality application in HoloLens to visualize cancer tumor data in 3D to accelerate research conclusions for BC Cancer.
- Led a team of five developers and one designer as the scrum champion. Worked closely with program managers and coaches to plan sprint tasks and design the product roadmap.
- Tech Stack*: Unity, C#, networking, vector math, graphics rendering, web app development, HoloLens.*

corycrowley.me — *Contract Web Developer*   2015 - Present

- Years of experience solving web problems with an engineering approach for small businesses, newspapers, and school organizations. Actively maintaining seven live websites which I developed.
- Server scripting, routing, API programming, database management, app / site deployment, continuous integration, Mongo, Express, React, Node (MERN) stack, and front-end design.

Golden Words Newspaper — *Webmaster for goldenwords.ca*   2017 - 2018

- Developed and deployed website for student-run newspaper with over 30,000 unique visitors.
- Migrated thousands of Drupal articles to Wordpress. Integrated video content, graphic design media, dynamic event calendar, article categories and archives, and custom trivia widgets.

RECENT PROJECTS

QShare — *Senior Software Developer*   *qshare.ca*

- Worked with North America's first student-run product management program, project Tähdistö, to develop and market *QShare* – a ridesharing app for Canadian university students. I now run the project individually with plans to launch at Queen's University.
- Tech Stack*: Javascript, Node, React, React Router, MongoDB, Google Cloud, Facebook API*

Queen's Space Conference — *IT Coordinator*   *qsconference.com*

- Designed, developed, and deployed QSC website with speakers, sponsors, executive team, and event information. Designed application process and a choose your own adventure 'lost in space' game in JavaScript for over 100 conference delegates.

QHacks — *Software Developer*   *qhacks.io*

- Worked on QHacks team to run a hackathon with over 500 attendees and 50+ sponsors.
- Re-designed landing page for Queen's University Hackathon's website. Reached tens of thousands of students and brought in over 1800+ applications from 25+ schools.