Cory Z. Crowley

Queen's University Computer Engineering (4th Year)
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SUMMARY

Full-Stack Developer | Dual US & Canadian Citizen | Incoming Summer 2019 Microsoft Intern
Tech-minded individual with a passion to learn and create new technologies. Professional industry experience @ Microsoft and as contract developer. Seeking software engineering internship(s) for Fall 2019 - Summer 2020.

EXPERIENCE

- **Microsoft** — Redmond, WA
  Incoming Summer Azure IOT Software Engineering Intern — *May 2019 - Aug 2019*

- **Microsoft Garage** — Vancouver, BC
  Software Engineering Intern — *May 2018 - Aug 2018*
    - **Project**: Developed a mixed-reality cancer tumor data visualizer and companion web app for Microsoft HoloLens in partnership with BC Cancer. Worked on filter, zoom / pan / rotate hand gestures, clipping box, save / load, annotation, cell labelling, voice control, cloud sync, and web application development.
    - **Responsibity**: Led a team of five developers and one designer as the SCRUM champion. Worked closely with PM, coaches, and external stakeholders to plan sprint tasks, design the product roadmap, and deliver on requirements. Presented the visualizer to the President of Microsoft and BC Cancer.
    - **Tech Stack**: Unity, C#, Python, networking, vector math, graphics, WebGL development, HoloLens

- **Contract Developer** — California & Ontario
  Application Development, Web and Media Design, IT Coordination, Live Maintenance — *2015 - Present*
    - **Golden Words Newspaper**: 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.
    - **Queen's University Hackathon (QHacks)**: Worked on QHacks team to run a hackathon with over 500 attendees and 50+ sponsors. Re-designed landing page for QHacks website. Reached tens of thousands of students and brought in over 1800+ applications from 25+ schools.
    - **Queen's Space Conference**: 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.

RECENT PROJECTS

- **TextNet**: *Hack Princeton Second Overall, Audience Choice & Best Design*
  TextNet is an SMS based interface to the internet, developed by myself and three classmates primarily in Node.js. It allows anyone with SMS access to internet primitives including: general queries, directions, business recommendations, translations, and news updates, all through simple SMS messaging. I continued to develop TextNet for my capstone project, where it placed third overall in the Queen's Computer Engineering 2019 Capstone Competition.
- **QShare**: *First Prize Thdist Product Pitch Competition (Queen's Tech & Media Association)*
  QShare is a ridesharing web application for Canadian university students, serving as an alternative to Facebook ride request groups. I solely developed QShare, complete with user authentication, join & create ride functionalities, email notifications, admin controls, and much more. The site was launched at Queen's University, winning the QTMA product competition. Tech Stack: Javascript, Node, React, MongoDB, Google Cloud, Facebook API (MERN stack).
- **MusiCrowd**: *QHacks 2019 Grand Prize Winner*
  MusiCrowd is an interactive, crowdsourced Spotify queue which allows users to vote on what song is to be played next at a party, event, or venue. Leveraging the Spotify API, my hackathon team built a live, democratic Spotify Queue with admin and playback controls. MusiCrowd was built at QHacks 2019 with the MongoDB, Express.js, React.js & Node.js (MERN stack). The application is deployed live @ **musicrowd.ca**

PROGRAMMING SKILLS AND INTERESTS

Languages: JavaScript, Java, Python, C#, C++   **Technologies**: Git, Unity, Node.js, React, Databases
Interests: *Web and graphic design, music production, DJing, hackathons, stand-up comedy, reading (sci-fi, music theory, history, technology, space science), playing & making video games, biking, running, backpacking*