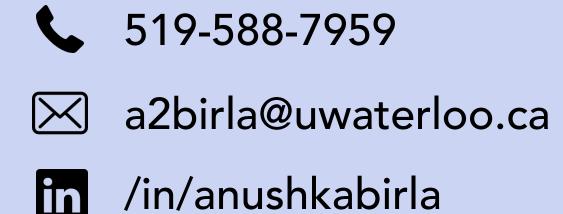
ANUSHKA BIRLA

Mechatronics Engineering - University of Waterloo



SKILLS

Languages - C++, Node.js, JavaScript, C, Ruby, HTML, CSS

Tools - ReactJS, Git, Microsoft Azure, AutoCAD, SolidWorks, DialogFlow, Actions on Google, Sketch, Invision

EXPERIENCE

Software Developer - Sun Life Financial

Sept 2018 - present

- Developed an conversational/interactive voice application on Google Home using JavaScript, Node.js and
 Microsoft Azure that allows users to search for health care providers and check their Sun Life accounts
- Worked on both public and secure use cases to enable clients to check balances
- Wrote unit tests and performed integration and regression testing
- Won Sun Life's Digital Solutions Hackathon by creating an e-financial advisor that uses Emotional Artificial
 Intelligence to stay connected with the user and offer relevant advice

UI/UX Designer and Front-End Developer - TD Lab

Jan 2018 - Apr 2018

- Created workflows, wireframes and interface designs for an iOS app used to increase engagement with the lab within a deadline of 3 weeks
- Built an interactive web application for student financial aid with Agile and Scrum principles using HTML/ CSS, Javascript, and ReactJS
- Presented UX design decisions and prototype for the TD Labs app to board-level TD executives

Engineering Intern - Teledyne DALSA

Aug 2016

- Saved the company around \$4000 per year by heading an in-depth analysis of the company's energy costs
- Created educational videos about camera and semi-conductor manufacturing processes

PROJECTS

TO Roam Less - Google Cloud Relay

Dec 2018

• Parsed data on daily shelter occupancies using BigQuery to surface the 10 closest shelters to the user and placed them on a map using the Google Maps API

MoveBoard - Hack The North

Sept 2018

- Created a skateboard tracker using Arduino 101 that tracks movements using accelerometer and gyroscopic sensors
- Crafted algorithms to convert raw data into skateboard tricks and displayed them on an interactive website

Self-Driving Robot Alarm Clock

Nov 2017 - Dec 2017

• Reduced average wakeup time by 6 minutes by designing, programming, and building a self driving robot alarm clock that avoided obstacles and people, played music, and offered interactive games

Founder and President - Vex Robotics

Sep 2016 - Jun 2017

- Built and programmed a robot using RobotC to quickly and accurately throw objects across a fence
- Delegated roles to members, managing work effectively to compete at regionals

EDUCATION

University of Waterloo

Sep 2017 - Present

 Candidate for Bachelor of Applied Sciences in Mechatronics Engineering

EXTRACURRICULARS

- **UW Debate team** semi-finalist at the 2018 North American Womens Debating Championships
- Engineering Society Director leading a team of 100 in planning and running charitable events