Anushka Birla

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EXPERIENCE

Software Developer | Sun Life Financial   09/2018 - 12/2018

- Developed and released three features on a conversational Google Home voice application using Node.js and Azure; allowing users to search for health care providers and check their Sun Life account balances
- Reduced testing and bug-fixing time by 2 weeks by leading a codebase restructure, cleaning up code to make it more modular and scalable
- Wrote unit tests using Mocha and performed thorough integration, smoke, and regression testing

UI/UX Designer and Developer | TD Lab   01/2018 - 04/2018

- Researched and designed a TD Lab app reaching 500+ users from concept to full prototype using Sketch and Marvel
- Built an interactive web application for student financial aid with Agile and Scrum principles using ReactJS, Javascript, and HTML/CSS
- Presented UX design decisions and prototypes to board-level executives, analyzing feedback to iterate on designs

PROJECTS

No Shell Social | StarterHacks   01/2019

- Developed an interactive virtual reality game in Unity3D for children with anxiety to practice social interactions in a safe environment
- Created level design for 2 levels, putting the users at ease

help.me | Google Cloud Relay   12/2018

- Parsed a dataset on daily shelter occupancies using BigQuery and SQL to surface nearby shelters, helping handle overflow
- Working on using the Google Maps Api to plot eligible shelters on a map in an interactive website powered by GCP

MoveBoard | Hack The North   09/2018

- Created a skateboard tracker using Arduino 101 that tracks movements using accelerometer and gyroscopic sensors and converts them into common skateboard tricks to display on a website

Self-Driving Robot Alarm Clock   11/2017 - 12/2017

- Reduced average user wakeup time by 6 minutes by designing, programming, and building a self driving robot alarm clock, in C and C++, that avoids obstacles, plays music, and offers interactive games

SKILLS

Languages

C++ • JavaScript • HTML/CSS • C

Tools

ReactJS • Git • Azure • GCP
Node.js • Unity3D • SQL
DialogFlow • Invision
Sketch • Arduino
AutoCAD • SolidWorks

AWARDS

Sun Life Digital Solutions Hackathon

1st place - E-financial advisor with emotional AI to stay connected with users

Debate

Semi-finalist - 2018 North American Womens Debating Championships

SHAD Entrepreneurship Cup

1st place - E-commerce solution for food insecurity

EDUCATION

University of Waterloo

2017 - 2022

BASc Mechatronics Engineering (Honours co-op)

INTERESTS

Running, Boxing, Theatre, Debate, UW Engineering Society