ANAND ISSAC

Management Engineering Student, University of Waterloo
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SKILLS

Languages: Java, Python, JavaScript, R, SQL, HTML/CSS
Tools & Technologies: Git, Bash, React, Node, Express, Firebase Suite, Postman, Bootstrap

EXPERIENCE

Software Developer | BlackBerry QNX – Audio Team   January 2020 – April 2020

- Spearheaded design change for audio sample-rate process; led change for application sample rate to be closest supported rate opposed to maximum supported rate – saves up to 2x memory usage
- Developed 2 Python scripts that validated audio management processes such as priority ducking and 5 scripts for core audio features such as channel mapping, sampling rates, and volume ramping

Software Engineering Intern | Ontario Public Service   May 2019 – August 2019

- Developed Python framework to automate file validation process of over 300,000 records in less than 8 seconds which saves 5 days and $4500 in the two-month build cycle
- Developed Java cheque-printing utility for internal use which leads the way to cut reliance on third party software that costs the organization around $30,000 per year
- Optimized Java DevOps tool to automate testing for 5 essential REST and SOAP web services so that it can dynamically test and output HTML reports in under 12 seconds

User Experience Designer | TobyX   September 2018 – December 2018

- Created multiple prototypes and wireframes using Adobe XD for web and mobile based IoT product
- Drafted 20+ user stories and functional requirements; focused on improving UI/UX of application

PROJECTS

 StuTours (Hack the North 2019) | Node, Angular, Express, HTML, CSS

- Developed a web-app to assist incoming university students book tours, receive an optimized route, and explore news articles based on their favorite universities
- Componentized web app using Angular and leveraged Node/ Express for all server-side processes such as communicating with Accenture, Google Maps, and Bing Web Search

 convoBuddy (QHacks 2019) | Swift, Google Cloud Vision, Firebase, Raspberry Pi

- Developed an iOS feedback training device by using a Raspberry Pi to input video streams, which is fed into Google Cloud Vision API to identify emotional traits along with scoring eye contact
- Won "Best Use of Google's Cloud API Award"

EDUCATION

University of Waterloo | Bachelor of Applied Science, Management Engineering   September 2018 – Present

- Relevant courses: Algorithms and Data Structures, Probability and Statistics 1, Linear Algebra for Engineering, Advanced Calculus & Numerical Methods