Rohan Batra

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EDUCATION

UNIVERSITY OF MICHIGAN — **Ann Arbor, Michigan**
College of Literature, Science, and the Arts — *Expected May 2021*
B.S. in Computer Science

- Emphasis in Data and Information
- University Honors Designation
- Scholarship Chair, Phi Chi Theta Professional Business Fraternity
- GPA: 3.67/4.00

EXPERIENCE

Summer 2019 **Garmin International** — **Novi, Michigan**
Software Engineering Intern

- Built a Developer GUI and User Interface to support multiple Electric Vehicle Connectors, using the Qt frame-work and JavaScript to enhance search results for possible charging stations in EU/NA maps
- Developed a text-to-speech feature using C++ and QML to support user compatibility with current weather forecast information through AccuWeather and Ford API for the GPS navigation system
- Improved the code-base by identifying defects and security vulnerabilities through static and dynamic code analysis tools, while collaborating with development teams through JIRA, Coverity, and Gerrit

January 2019 **Capital One Software Engineering Summit** — **Clarendon, Virginia**
Invitee & Participant

- 1 of the 37 undergraduates nationwide chosen to be invited to the selective Summit program at its Clarendon, Virginia lab. Invitation was based on a competition, requiring the creation of a web-application that visualizes and analyzes 13,000 bike-share data points from Los Angeles, CA
- Utilized Bootstrap, Python, Pandas, Flask, and HTML to develop and deploy my web-application onto Heroku and participated in classes based around Web Dev, AWS, iOS/Android, and Machine Learning

Summer 2018 **ZF North America** — **Northville, Michigan**
Data Science Intern

- Designed a user-interface model using Power BI and DAX to identify and evaluate statistical gaps in over 100 data sets of automatic gear-shift quality within vehicles and automotive-related services
- Developed a standardized Python library and package by analyzing a best-practice codebook to streamline and standardize data cleaning processes for the data science engineers
- Optimized the IT Innovation department project's process time utilizing agile-project methodologies and management tools by collaborating across teams to identify key-process flow

2017 - 2018 **Eli Broad College of Business** — **East Lansing, Michigan**
Professorial Research Assistant

- Appointed as one of the top 1% entering college students to work with the teaching faculty on tasks directly related either to scholarly research or innovative teaching, pertaining to our preferences
- Analyzed inventors and technologies to understand which characteristics increase the likelihood of entrepreneurship given prior technological development
- Consolidated over 1000 data entries into an accessible format to further gauge attention into determining the specific inventors that need to be contacted about their entrepreneurial endeavors

PROJECTS

- **Qwerty:** Developed an iOS chat-bot at a Hackathon using DialogFlow NLP and Flask from the back-end and Swift and a Firebase authentication from the front-end to educate young adults about banking
- **Euchre:** Utilized C++ and Object-Oriented Programming to code a fully functional Euchre program
- **Ro-Bot**: Currently in the development process of creating a bot that checks stock numbers for products on Shopify-based websites through Python and web-scraping tools, such as Flask

ADDITIONAL

- **Relevant Coursework:** Data Structures & Algorithms, Computer Organization, Computer Security
- **Languages:** C++, C, QML, Java, JavaScript, Python | **Skills:** Git, JIRA, Gerrit, Power BI, Agile/Scrum
- **Interests:** Competitive Dancer, NBA (Basketball), Fashion Enthusiast, and Fantasy Football Fanatic