Sahir Vellani

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Skills

- Programming Languages: Python, Java, JavaScript, SQL, HTML & CSS
- Full Stack Technologies and Libraries: Node.js, Angular, Spring, React Native, D3.js, Android Studio
- Other tools: TensorFlow, OpenCV, MATLAB

Professional Experience

Software Engineering Intern | Jan 2017 – Apr 2017
Capco

- Developed backend services for personal banking applications using Java, Spring, and MyBatis 3
- Created prototypes of classifiers and machine learning algorithms for financial applications with TensorFlow
- Managed a team of 7 interns as Technical Lead of R&D project in development of product specifications, architecture, and prototypes, resulting in acquisition of funding for production level system
- Implemented front end applications based on specifications provided by clients using Angular

Product Management Intern | May 2016 – Aug 2016
Genesys Laboratories

- Collaborated with multidisciplinary teams in development of features used by 1000 businesses worldwide
- Extended Mobile Engagement platform infrastructure to contain Facebook messenger bots as supported channel
- Created product requirements, mock-ups, user flows, content frameworks and high fidelity prototypes

Software Engineering Intern | Sept 2015 – Dec 2015
Genesys Laboratories

- Initiated development of Python web IDE for DevOps using JavaScript and Jython, saving 40 hours of work per month
- Optimised user experience of multiple dashboards to decrease task completion time by 50% per session
- Developed Data Visualization features using Angular, D3, Node.js; shipping to customers worldwide

IT Applications Intern | Jan 2015 – May 2015
Multiple Sclerosis Society of Canada

- Produced wireframes and prototypes of features for company website with Balsamiq and HTML/CSS
- Designed web forms using InfoPath and C# to eliminate paper usage from Finance and HR departments

Projects

Pool Assist | Jun 2017 – Present

- Application built with OpenCV-Python which processes still images of pool tables to suggest next shot
- Machine learning algorithms created with TensorFlow for recommendation engine and to assist in object classification

Focus | Feb 2017

- Chrome extension encouraging productivity while on Social Media; built using ES6

Clear Skies – Space Apps Hackathon | Sept 2015 – Dec 2015

- Android application providing real time information for drone owners
- Received Deloitte Golden Ticket award for outstanding innovation

Education

Candidate for BASc in Systems Design Engineering | Sept 2014 – May 2019
University of Waterloo, Canada | Excellent Academic Standing | 3.7 GPA