

Basith Fahumy

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Senior Software Engineer with a breadth of experience across multiple tech stacks and ecosystems who is looking to explore and specialize in ML/AI

Work Experience

Accenture Industry X

March 2019 - Present

Senior Software Artisan / Tech Lead

- Led a project to enhance RVs with Smart/IoT functionality via a React Native mobile app coupled with Java back-end services
 - Provided guidance on direction of new client endeavors and partnerships
 - Managed Azure Cloud (network management, AKS deployments, SSO, IoT Hub)
- Utilized mechanical engineering background to facilitate ramp-up efforts for a vehicle electrification project
 - Educated colleagues on fundamentals of Control Systems and the use of MATLAB/Simulink for controller design and simulation
- Worked on search functionality (Java) and UI (Angular) for a vehicle auction platform

Princeton Consultants

October 2016 - June 2018

Associate

- Worked on a Windows desktop application for railway signaling simulation (.NET/C#/WPF)
- Developed and implemented new features, including UI Themes and a Rules Engine to learn railway nomenclature for new clients
- Delivered support for end users, addressing usability concerns, bugs, and quality enhancement

Education

Georgia Institute of Technology

August 2021 - Present

MS Computer Science (Interactive Intelligence)

- Coursework thus far includes Artificial Intelligence, Machine Learning, and Video Game Design

California Institute of Technology

September 2012 - June 2016

BS Mechanical Engineering (with Honors), Minor in Computer Science

- Completed coursework in engineering fundamentals, control systems, energy technology, programming fundamentals, and theoretical computer science
- Member of the Caltech Robotics Team
 - Worked on the Mechanical and Programming sub-teams and led a developmental group aimed at bringing new members up to speed

Skills

Technologies

- Programming languages: C, C++, C#, Java, Python, Typescript, Angular, React (Native)
- Azure Cloud (AKS, B2C/SSO, IoT Hub) and DevOps (Repos, Pipelines, Artifacts, Boards)
- Version control (Git, SVN) and related extension software
- Engineering/Mathematical Software: MATLAB, Simulink, Mathematica

Methodologies and Practices

- Experience with extreme programming practices, including Pair Programming and Test Driven Development (TDD)
- Familiar with Agile methodology and its application to software development