Michael J. West

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Team oriented Software Engineer with Computer Engineering Background
Excited about Human Centered Design and Agile Development Methodologies

EXPERIENCE

Development Dimensions International   2019 - Current (20 months)

Software Engineer I

Web Development
- Collaborated on software development teams to deliver sprint work for mobile and web applications including: front-end design, file uploading, error handling, navigation, and back-end API changes (React Native, Angular, C#)
- Sparked change to use augmented reality and conducted research and development for several prototypes (React Native, Unity)
- Served on the Software Security Advisory Board to test and implement the Web Application Firewall (Azure)

DevOps
- Adaptively ran weekly zero-downtime deployments with a custom tool, debugged releases and made changes to the tool as necessary (Angular, Azure DevOps, Octopus)
- Led development of a web app for automating common infrastructure work including new repositories, ARM template creation, database access, and various other permission requests (Angular, C#, DocumentDB, Azure, Docker)

Federated Investors   2017 - 2018 (14 months)

Cooperative Education Program

Client Applications Team
- Launched a prototype for a web application using JavaScript libraries, which was unanimously chosen as the final design for the project (C#, Knockout, jQuery, Bootstrap)

Systems Integration Team
- Recruited by upper management to a team for solving urgent business needs
- Engineered and unit tested SQL stored procedures and PowerShell scripts to implement changes in production databases

Solo Work   2020 (4 months)

Freelance Jobs and Personal Project

- Broadcasting App: Leveraged Agora Sound APIs to build foundation for a broadcasting iOS app (Swift)
- Team-building App: Built navigation menus, data charts, and continuous integration for a web app according to design specifications (React, Node, AWS, Travis-CI, Heroku)
- Notes App (Personal Project): Designed and tracked development for a note taking application featuring tap and gesture handling, custom navigation, and a native drawing module (React Native, React Navigation, Swift, Figma)

EDUCATION

University of Pittsburgh, Swanson School of Engineering   2013 - 2018

Bachelor of Science in Engineering
- Major - Computer Engineering
- Minor - Industrial Engineering

Senior Design Project

- Developed and tested the sound classification algorithm for a hardware device that detects and sends feedback when it registers a dog bark. (C++, Python)

Department of Rehabilitation Sciences   Summer, 2016 (4 months)

- Contributed to code modules for a graduate student writing a dissertation on using smart glasses to improve the gait patterns of amputee patients. (Java, C++)