Victoria Rhine

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victoria-rhine.github.io

Projects

Beyond the Tutor, Senior Capstone Team Project

- Designed and developed web application to improve computer science tutoring by connecting students and tutors through an intuitive interface and providing professors with insights for better course design
- Served as Scrum Master and implemented Agile fundamentals including inception, sprint planning, backlog refinement, sprint reviews, stand-ups, and retrospectives
- C#, JavaScript, HTML, CSS, Semantic UI, Visual Studio, MVC 5, SQL, Azure, GitHub, Continuous Deployment

Virtual Zoo, Android App Development

- Designed and developed Android augmented reality (AR) app to allow users to interact with animal objects in the user's environment or through an interactive virtual environment with 360 views
- Android Studio, ARCore, Sceneform, Kotlin

Microservices Architecture

- Refactored code in a monolith clone of Reddit and successfully migrated activity logging to microservices
- Implemented task and message queuing, load balancing, and deployed microservice and database to the cloud
- Python, JSON, Ubuntu Virtual Machine with Vagrant, Flask, REST API, MongoDB Atlas, Heroku, Celery, Redis, Nginx, Test Driven Development (TDD) and Coverage Tools

Experience

Western Oregon University, Monmouth, Oregon — September 2019 – June 2020

- Computer Science Division, Tutor
- Office of Disability Services, Programming Assistant

Education

Western Oregon University, Monmouth, Oregon — September 2018 – June 2020

- Bachelor of Science, Computer Science, Magna Cum Laude
- President, Girls Who Code College Loops

Chemeketa Community College, Salem, Oregon — June 2016 – August 2018

- Associate of Science, Computer Science and Associate of General Studies
- Phi Theta Kappa Honor Society and Chemeketa Foundation Scholarship

Languages, Frameworks/Tools, Skills

C#, Python, C++, JavaScript, SQL, MongoDB, Kotlin, Java, Visual Studio, Android, PyCharm, Git, Azure, Heroku, ASP.NET, MVC, REST APIs, Agile Development, Technical Writing, Strong Communication and Team-Oriented