

Dylan Vuz

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Education

Rochester Institute of Technology

Spring 2018

B.S. Software Engineering, Minor Computer Science

Work Experience

Software Engineer, Intuit

Summer 2016 - Fall 2016

Tasked with using existing Turbo Tax data to help people save money

- Orchestrated Intuit services to interface with third parties for a consumer open platform
- Designed and implemented dashboard application that referred users to third party offers
- Interviewed customers to get rapid feedback on our prototypes
- Deployed first iteration of project to production in six weeks of development
- Analyzed data from money saving experience to learn where customers were dropping out

Tools: React, Redux, Webpack, Java, Docker

Software Engineer, OffsiteDatasync

Summer 2015 - Fall 2015

Needed to create a way for customers to manage their cloud backups

- Worked on a small team of three engineers and the product owner
- Created a web portal that allowed customers to create, manage, and backup cloud assets
- Integrated with third party APIs from VMware to allow management of cloud infrastructure

Tools: Django, Redis, MySQL, Nginx, React, Node

Projects

Senior Project

Fall 2017 - Present

- Architected microservices architecture to provide a separation of concerns
- Worked with both SQL and No-SQL databases depending on data type
- Create progressive web application for use on mobile and desktop environments
- Deployed microservices with docker swarm to be highly available and performant

Tools: React, Redux, GraphQL, Webpack, Python, Node, SQL, No-SQL

AR Sandbox

Spring 2017

Created an AR Sandbox with depth data overlay that supports real time interactions

- Used computer vision and Microsoft Kinect to find a sandbox in an image
- Extracted the depth map of the sand box and recolored the image
- Projected and updated the depth map onto the sandbox in real time

Tools: OpenCV, libfreenect, C++

EC/Activities

Society of Software Engineerings

Spring 2014 - Present

- Mentor, tutors students with introductory SE and CS courses
- Technology Head, Maintain and develop the SSE website and mail services

Course Assistant

Fall 2017 - Present

- Course Assistant and grader for introductory Software Engineering course