

Dilraj Devgun

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EXPERIENCE

Software Engineer (HoloLens Firmware and Drivers Team)

Microsoft | Redmond, WA | Summer 2018 - Present

- Developed, integrated, and tested drivers, firmware and other software related to sensors for the HoloLens 2 in the Cognition Org.
- Enabled OS level features to take advantage of available hardware and lower level systems in the HoloLens
- Assisted Microsoft Research with deepfake detection efforts

Software Engineering Intern

Microsoft | Redmond, WA | Summer 2018

- Interned on the Universal Store Team under the Cloud + AI division developing a VSTS extension used to model service architecture
- Developed an Azure hosted application that aggregated data from external endpoints into a central location for users using .NET Core, Angular, and C#.
- Followed modern cloud service practices to integrate the extension across multiple layers and other Microsoft services

CSE 451 and 143 Teaching Assistant

University of Washington CSE | Seattle, WA | 2017- 2019

- Taught over 100 college students fundamental concepts of Data Structures and abstraction in Java as well as the Operating Systems class at UW

Operating System and Hypervisor Research

University of Washington | Seattle, WA | 2017 - 2018

- Worked alongside Professor Tom Anderson to extend an Operating System into a new lightweight hypervisor that provides greater flexibility to both applications and guest OS
- Designed and implemented a user-level thread system that interacts with the kernel via donated physical processors and timer events that reschedules at user-level, unlike a traditional model

Co-Founder + Lead Developer

Clockwork Development, LLC | Bellevue, WA | 2014 - 2016

- Overlooked and handled all development of the application using Swift and Objective-C
- Apple featured our app on the App Store as Best New App in Germany, Sweden, and Austria

EDUCATION

University of Washington

Seattle

Computer Science | 3.73 | 2015 - 2019

AWARDS

WA State Honors

AP Scholar Award with Distinction

Best New App by Apple (Germany, Sweden, Austria)

Annual Dean's List 2015 - 2016

Microsoft Office Master Certification

SKILLS

Technical Skills

iOS Development

Swift

Objective-C

Java

C

C++

C#

SQL (Azure, AWS)

HTML / CSS / Typescript

Python

MVC Paradigm

UI/UX Design

Angular

Functional Programming

.NET ASP

Machine Learning

Data Science

Interpersonal Skills

French

Team Management Project Management