Jayden G. Sadettan

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Education

University of Washington, Seattle WA *September 2015 – December 2019*

- U.W STARS Engineering Program.
- Department: **The Paul G. Allen School for Computer Science & Engineering**
- ACM Richard Tapia Celebration of Diversity in Computing 2018 Attendee.
- Dubhacks 2017, 2018 Participant.
- Sigma Nu, Gamma Chi: Risk Reduction Chairman, I.T Chairman.
- First Year Programs: Lectured to a classroom over 30 students, developed a 12-week lesson plan.

Skills & Projects

Languages

- Java (4 Years), Python, C, C++, Bash, SQL (1 Year)

Software

- Eclipse, IntelliJ, PyCharm, Git, Visual Studio, Putty, Microsoft Azure Database, PyTorch, Numpy

Concepts

- Distributed Systems (Viewmodel, Paxos, Sharded Key Storage), Internet Networks (UDP, TCP, HTTPS), Machine Learning, Data Structures & Parallelism, Database Management, Systems Programming, REST.

Projects

- NutriEye: Used Microsoft's Computer Vision API to recognize nutrients of food. (Azure, Python, SQL)
- Pi Girl2: Handheld gaming emulator made with a Raspberry Pi 3, holds 128 GBs of games.
- PiPhone: Phone that can receive and make calls, and texts made with a Raspberry Pi 3 and a GSM module. Has a U.I using the Pi's PyScreen module. (AT Commands & Python).
- TweetBot: Used to find tweets and perform actions that contain certain keywords. (Python).

Employment

Qualcomm Software Engineer Intern, San Diego CA *June 2019 – September 2019*

QCT Product & Tools Stability Test

- **Project**: Tasked with creating a testing application that utilizes the Computer Vision aspect on Qualcomm's newest SoC.
- **Highlights**: Developed the application using dynamic linking in C++, then used Java's Native Interface to port it over to an Android APK. Developed a concurrent way to test out Computer Vision Algorithms.
- **Skills and Tools**: C++ for native code development, Java for APK, CMake, First Android APK.
- **Additional**: Placed 2nd place in Qualcomm's intern hackathon that saw over 300+ interns participate in. Had the opportunity to present to Qualcomm's executives on my team's project.

T-Mobile Software Engineer Intern, Snoqualmie WA *June 2018 – May 2019*

Tier 2 Diagnostic Systems, Technology

- **Project**: Create an automation synthetic test suite that utilizes REST commands to have a continuous customer experience on all flagship devices
- **Highlights**: Reduced the original test time over 95% by running the test concurrently. 1 hour → 2.5min, was the only intern that had the opportunity to present their final product to a broad T-Mobile audience at their conference in Dallas, TX.
- **Skills and Tools**: SQL, Python, Grafana, Influx.
- **Additional**: Develop an application for a T-Mobile Event for over 300+. First time deploying a web app to a Kubernetes cluster. Used: SQL, Python, Flask, Kubernetes, Website deployment.

Microsoft Software Engineer Explorer Intern, Redmond WA *June 2017 – September 2017*

Windows Core Dev, DEP R&D

- **Project**: Develop a native SplitButton control within the XAML control base for UWP apps. Role switch from Program Manager, Developer, Tester.
- **Highlights**: Learned as P.M about things I never thought of. Accessibility is something that developers do not think of when making. Learned about the accessibility end user experience. Has the opportunity to meet with other Orgs on how they can use our product. (Xbox, Edge, Office).
- **Skills and Tools**: C# for prototype, C++ for main control development, XAML for the frontend. Main priority was writing black and white box testing for our new control.

Microsoft High School Intern, Redmond WA *June 2015 - August 2015*

Learning Experiences Team (LeX)

- **Project:** Supported the team by bringing in a young perspective about teaching computer science in schools.
- **Highlights:** Guided teachers across the U.S on how to use CS50 with Harvard. Oversaw how to teach the A.P CS50 curriculum. Designed an outline for a potential Network Security Course for Microsoft Virtual Academy. Created a student persona highlighting how a student interest in hardware and devices can lead into developing an affinity for computer science.

Microsoft's O.E.M HP Sales and Marketing

- **Project:** Participated in strategic business meetings alongside our General Manager for our org with Execs. Learned how Microsoft dealt with the O.E.M business from a inside view.
- **Highlights:** Device Manager; installed Windows 10 on hundreds of devices and shipped internationally for the Windows 10 launch event.

Achievements

- Recipient of the Paul G. Allen Full Ride Scholarship to the ACM Richard Tapia Celebration of Diversity in Computing 2018.
- Recipient of the U.W Eileen Bjorkman Term Scholarship in Computer Science & Engineering 17-18, 18-19.
- Recipient of the Washington State Opportunity Scholarship.
- Recipient of the Washington State Achievement Council College Bound Scholarship.
- Highline School District Featured Alum of January 2016.