Jayden G. Sadettan

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Education

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

- U.W STARS Engineering Program
- Department: **Computer Science & Engineering**
- ACM Richard Tapia Celebration of Diversity in Computing 2018 Attendee
- Dubhacks 2017 Participant.
- Sigma Nu, Gamma Chi: Risk Reduction Chairman, I.T Chairman.
- Greek Navs active member.

Skills & Projects

Languages

- Java (4 Years), Python, C, C#, Bash, Ruby, Haskell, Prolog, Racket, Verilog (1 Year)

Software

- Eclipse, PyCharm, Git, Visual Studio, Putty.

Concepts

- Data Structures & Parallelism, Assembly and Machine Code, Statistics, REST, Functional programming, Linear Algebra, API documentation and development, cooperative development and product management.

Projects

- 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

T-Mobile Software Engineer Intern, Snoqualmie WA *June 2018 - Present*

Tier 2 Diagnostic Systems, Technology

- Created a automated test to have a continuous customer experience on all flagship devices, such as the Samsung S9 by using Python as the core language.
- Reduced the runtime of the original product by 98%. The old test suite written in Java ran for over an hour, but reduced it to 1.5 minutes in a Python script.
- Results were tracked using Grafana and Influx and were monitored every 5 minutes.
- The automated test used REST API as commands using Perfecto, a third-party product for mobile device testing. This was written in Python to send REST execution commands.
- One of the few interns in the company to have the opportunity to present the final product to a broad T-Mobile audience at their conference in Dallas, TX.

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

Windows Core Dev, DEP R&D

- Assigned to create a new native XAML control for app developers to use within UWP apps in C++ for the backend, and XAML for the frontend.
- Served as a Product Manager and set up meetings with Microsoft's Office, Edge, and Xbox orgs to see if adaptability was possible for my control in their present UWP apps. As well, ensured that the control was accessible to all. Led to working with keyboard and narrator teams to highlight functionality.
- As a Developer, took ownership on creating Unit Test in C# to ensure the control's API, touch, and accessibility worked.
- Created a final presentation that showed the pros and cons of making a new XAML control to an executive of the Windows department.

The University of Washington, Seattle WA *March 2016- January 2017*

F.I.G (First-year Interest Group) Instructor, First Year Programs.

- Instruct first-year students about university resources & the college experience.
- Develop lesson plans & personalized curriculum.
- Developed communication, leadership, and public speaking skills through training.
- Encouraged a strong work ethic while making sure all of my students were successful.

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

Learning Experiences Team (LeX)

- Guided teachers across the U.S on how to use CS50 with Harvard. Oversaw how to teach the A.P CS50 curriculum.
- Designed test for Microsoft's Touch Develop curriculum on various browsers to ensure quality control and instructional consistency.
- 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

- Specialized in HP Products, such as Tablets, Laptops, and all in one desktop.
- Device Manager; installed Windows 10 on hundreds of devices and shipped internationally for the Windows 10 launch event.
- Monitored/managed the HP Knowledge booth at S4 Business Conference.

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.