

# Taylor Vo

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## EDUCATION

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### Washington State University Vancouver

*Bachelor of Science in Computer Science*

Vancouver, WA

*Aug. 2018 – May 2022*

- **GPA:** 3.63 / 4.00
- **Relevant Courses:**  
Advanced Data Structures, Artificial Intelligence, Computer Organization, Statistics, Differential Equations, Software Engineering, Computer Architecture and Design, Algorithm and Design, Cryptography, and Databases.

## EXPERIENCE

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### Microsoft / Washington State University | *Software Engineering Intern*

Jan 2022 - Present

- Developed IoT data acquisition software for Ferry County local government and worked closely with Microsoft Airband Initiative to bring power and internet connectivity to emergency services in rural areas.
- Tested and reviewed software for any bugs, reducing the number of instances of bugs by 20 percent and recieved feedback from peers
- Built a Front-end web application displays/monitors various sensors and can control 8 or more sensors/peripherals on a physical unit
- Implemented a secure sign-in and sign-up page to only allow authenticated users to access the font-end web application, can also authenticate using Microsoft, Google, and Facebook sign-ins

## PROJECTS

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### CXM Project (team of 5) | *JavaScript, Python, HTML/CSS, Electron, MongoDB*

- Developed a Full-Stack Windows Application that uses Machine Learning algorithms to classify tweets from Twitter for a group Capstone Project
- Lead an agile team of 3 to build a front-end web application for a responsive desktop experience
- Built a custom REST API to interact with MongoDB containing inferred Twitter Tweets classified by a Machine Learning Algorithm

### ThereAreLotsOfYou (team of 2) | *Java, JIG, OpenGL, Slick2d, LWJGL*

- Developed a 3rd-person, real time, battle royale for Game Design course that uses networking over LAN for multiplayer
- Created custom 3D models and animations that are displayed using Sprite Stacking technique
- Designed and Implemented the user interface that is tied to the player and synchronous items in the world

### Inflater (solo) | *Java, JIG, OpenGL, Slick2d, LWJGL*

- Built a single-player, 2D platformer for a Game Design course that is a mix between Lode Runner and Dig Dug
- Implemented custom collision detection and animations using TileD and Slick2D game library
- Designed and Implemented a custom search algorithm to track and find the shortest route to the player

## TECHNICAL SKILLS

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**Languages:** Python, Java, C/C++, JavaScript/TypeScript, Scala, HTML/CSS, SQL

**Frameworks/Libraries:** ReactJS, ElectronJS, NodeJS, Slick2D, Azure-Iot-Hub, TailWindCSS

**Tools:** Git, Visual Studio Code, IntelliJ, Eclipse, Linux

**Other:** JSON, Relational Databases, Firebase, Azure, Docker