

## Brandon Soledad

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### Education

#### University of Washington-Tacoma

2019-2021

- Bachelor of Science in Computer Science 3.34 GPA
- Dean's List 2020/2021
- Data Structures & Algorithms, Software Development

#### Highline College

2015-2018

- Associates in Computer Science
- Dean's List 2016/2017

### Skills

#### Languages

- Java, Python, JavaScript, HTML, CSS

#### Technologies

- PostgreSQL, MySQL, VS Code, Git, Linux, Github, Eclipse, MongoDB(No-SQL)

#### API's

- React.JS, Node.JS

### Coding Projects

**Ninja's vs Zombies** | JavaScript, HTML, CSS, VS Code, Git, Github | [larryj6029.github.io/GameDev](https://larryj6029.github.io/GameDev)

- Worked with a team to develop a web game using JavaScript. Developed the game notifications and achievements, Ninja movement and game music and debugging.

**A-Star PathFinder** | Python | <https://github.com/Brandon-Soledad/A-Start-PathFinder-visualizer>

- A-Star algorithm visualizer built using Python's pygame to display a window where you initialize a start and end point and create walls. Starting the algorithm will draw out the path the algorithm takes and will return the path used to find the end point.

**React Portfolio** | React, Node.JS | [github.com/Brandon-Soledad/react-portfolio](https://github.com/Brandon-Soledad/react-portfolio)

- Created a personal portfolio using React and Node.JS to display programming/coding projects with links to the project repositories and my socials. The portfolio was deployed using Heroku.

**Weather Sensor Suite** | Java, GUI, Git, Github | [github.com/Brandon-Soledad/Sensor-Suite](https://github.com/Brandon-Soledad/Sensor-Suite)

- Worked with a team and my role was to create an imitation sensor suite that collects wind, rain, UV solar radiation, and evapotranspiration data.
- The sensor software was created based on the real sensor suite specifications of the Vantage Pro 2 wireless sensor suite created by Davis Instruments.

### Employment History

**University of Washington/PWFSL - Internship** | Software Developer

July 2020-January 2021

- Worked as a Software Developer for the USFS AirFire team on the back end of the BlueSky daily viewer tool to improve efficiency and load times of the Websky maps that displayed wildfires and smoke plums around the United States. Developed with Python.
- Worked on the Database of the smoke-COVID tool to update views and tables on the website and data regarding COVID infection rates and mortality rates by writing new queries using PostgreSQL.