

## Will Borwegen

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### Skills

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- Languages: TypeScript, JavaScript, HTML, CSS, Python, Node.js, Java, SQL
- Frameworks: React, Next.js, Vite, FastAPI, Express, Spring
- Tools: git, Jira, Confluence, Bitbucket, PostgreSQL, Figma
- Mapping libraries: Mapbox, OpenLayers, Leaflet

### Experience

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**Expedition Technology Inc**, Herndon, VA

**Summer 2022 – Spring 2024**

*Software Engineer*

- Developed the front-end of the company's satellite imagery website which was a datastore for users to browse through millions of high-res images at once, using said images to train their AI models
- Worked with the mapping library OpenLayers, to create intuitive tools with which users could modify and annotate satellite imagery at a much faster pace to which they were manually editing them before
- Lead a new feature regarding a new data format, which involved making tickets and delegating work accordingly to developers
- Was part of a massive rehaul effort to convert our entire project from JavaScript to Typescript, where I converted around 30% of the project

**Synthetik Technologies**, remote

**Winter 2021 – Summer 2022**

*Front-end Developer*

- Built out the front-end of a client site where users could enter parameters into a form with real-time visualization of these parameters in a Mapbox interface
- Created a front-end dashboard for checking the status of simulation jobs' progress
- Constructed the APIs needed to deal with storing simulation metadata in MongoDB

**NOAA**, Silver Spring, MD

**Spring 2018 – Winter 2021**

*Front-end Developer*

- Developed & lead maintenance on WALI (Water Level Process Interface), an application used by engineers & scientist at NOAA to verify and edit large amounts of data picked up from tidal sensors in US coasts
- Designed intuitive web pages leveraging React to build the front-end of WALI and integrate it with existing back-end APIs
- Extended existing API capabilities using Java & Spring to cater to users' requests for new features within the existing WALI application
- Coordinated biweekly meetings concerning app development; Utilized agile and scrum methodologies to prioritize wants & needs with product team

**NAVAIR**, Patuxent River, MD

*Software Engineering Intern*

**Summer 2017 – Spring 2018**

- Built software using Qt & C++ that allowed pilots to enter specific parameters (long, lat, elevation, etc.) into a flight simulation application
- Utilized Google Test to perform unit testing on software

**TechMoxie**, Bethesda, MD

**Summer 2016 – Fall 2016**

*IT Consultant*

- Provided tech assistance to clients by troubleshooting problems they had involving their smartphones, laptops, security software, etc.

### Education

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St. Mary's College of Maryland, St. Mary's City, MD

**Fall 2014 – Spring 2018**

*Bachelor of Science in **Computer Science** / Minor in **Mathematics***

- Coursework: Design and Analysis of Algorithms, Data Science for Social Good, Discrete Mathematics