Will Borwegen

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Education

St. Mary's College of Maryland, St. Mary's City, MD
*Bachelor of Science in **Computer Science** / Minor in **Mathematics***   **GPA: 3.41**
- Coursework: Design and Analysis of Algorithms, Data Science for Social Good, Discrete Mathematics

Skills

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

Experience

Expedition Technology Inc, Herndon, VA   **Summer 2022 – Spring 2024**
Software Engineer
- Developed the front-end of a satellite imagery website which was a datastore for users to browse through millions of high-res images at once, to use in their AI models
- Worked with the mapping library OpenLayers, to create intuitive tools with which users could modify and annotate satellite imagery
- Was feature-lead for a new feature, which involved making tickets and delegating work accordingly

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