

TREY MICHAELS

4th Year Informatics Undergraduate Seeking New Grad Software Engineering Roles

Thomam7@uw.edu | 425-647-6959 | Bellevue WA

LinkedIn: <https://www.linkedin.com/in/treymichaels7>

WORK EXPERIENCE

eNotes.com, Full Stack Developer Intern

June 2020 – Present, Seattle, WA

- Developed new features and tasks on a full-stack basis that ultimately culminated in hundreds of newly implemented pages
- Utilized Object Oriented Programming for technical problem solving using PHP
- Wrote clean and maintainable code following best standards
- Regularly tested self-written code with unit tests and mocks
- Engaged in developer meetings and code reviews to improve existing solutions and practice debugging

PROJECTS

Cover Covid-19 (April 2020 – Present)

PHP, JavaScript, Laravel, MySQL, Leaflet.js, CSS, AWS

- Created a web application where users view updates about the pandemic and can self report having tested positive for Covid-19, the site has already been visited by over 1,000 people
- Features a dynamic and interactive map that enables search and multiple layer controls and filters, displaying official and crowdsourced data points
- Runs a Cron Script daily to fetch data from the New York Times to plot official data statistics on the map

Dating on the Ave (May 2020 – June 2020)

GoLang, Node.js, React.js, MongoDB, AWS, Redis, MySQL

- Programmed a speed dating web application exclusive for UW students
- Incorporates session tracking and user authentication with Redis and MySQL
- Utilizes MongoDB to connect users to their likes, matches, and setup video chatrooms
- Developed a RESTful API in GoLang to power the back-end
- Uses the WebRTC framework to host real-time video chatrooms

PokeDex (May 2019– June 2019)

JavaScript, PHP, HTML/CSS, MySQL

- Developed a web application where a user can choose from a set of Pokemon cards and have their Pokemon battle other Pokemon
- Integrates JavaScript to enable Pokemon to battle each other with interactive capabilities like selecting attack types and displaying health and damage
- Utilized PHP to build the backend and incorporate features such as finding new pokemon, and linked the application to a SQL database to generate statistics and analytics

EDUCATION

University of Washington, Seattle

September 2017 - Present

B.S. in Informatics

GPA: 3.55

FIELDS OF INTEREST

Full Stack Development

Back-End Development

Front-End Development

Mobile Development

LANGUAGES

Java, JavaScript, PHP, Python, MySQL, HTML/CSS, GoLang

TECHNICAL SKILLS

React.js, Node.js, Leaflet.js, Laravel, Express.js, jQuery, Gatsby.js, Symfony

TOOLS

AWS, Docker, MongoDB, Git, Redis, Firebase, Postman

COURSEWORK

Client-Side Development

Server-Side Development

Data Structures and Algorithms

Intermediate Java Programming

Intermediate Python Programming

Advanced Databases Design and Management

Design Methods

Distributed Systems and Networks