

Matthew Pickett

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EDUCATION

Portland State University

Sep. 2018 – Dec. 2022

Bachelor of Science in Computer Science

3.7 GPA

- Academic Honors: President's List, Dean's List
- Relevant Coursework: Data Structures, Object Oriented Programming, Operating Systems, Algorithms & Complexity, Unit Testing, Agile

EXPERIENCE

Capstone Project

June 2022 – Dec. 2022

Blanchet House

Portland, OR

- Worked with local homeless shelters to develop an availability management website
- Communicated with and incorporated feedback from client
- Contributed to an Agile development team of eight members
- Used the Laravel PHP framework to design a map page that generates directions using the JavaScript Mapbox API and GeoJSON
- Improved application performance by reducing redundant code and optimizing database queries

TECHNICAL SKILLS

Languages: Python, C/C++, C#, Java, SQL, JavaScript, HTML/CSS, PHP

Frameworks: .NET, Laravel, Node.js, React, jQuery, Express, Bootstrap

Developer Tools: Git, Linux, AWS, JIRA, Microsoft Azure, Visual Studio 2022, Microsoft SQL Server, MongoDB

PROJECTS

Message Processor | *Python, SQL*

May 2023 – Present

- Developed a tool that scans messages sent by users and calculates their overall toxicity
- Has an active clientele of over 20 users
- Implemented SQLite library for lightweight data storage
- Utilized asynchronous programming techniques to ensure non-blocking behavior and avoid rate limiting when making network calls

Twitter Reviews | *React — AWS*

Feb. 2023 - Mar. 2023

[Link to website](#)

- Created a site that displays reviews for Twitter's iOS app in a user-friendly format
- Optimized performance by reducing network calls and utilizing memoization techniques
- Used Bootstrap framework to implement responsive website design across both mobile and desktop
- Tested and implemented various UI/UX designs to ensure a clean and easy-to-use interface
- Hosted on AWS S3 with Cloudfront to improve security and performance

Social Media App | *MongoDB — Express — React — Node.js*

Dec. 2022 – Mar. 2023

[Link to website](#)

- Created a forum website to allow users to create, share, and engage with posts
- Built a RESTful API with Express to handle post creation, retrieval, updating and deletion
- Integrated Auth0 and role-based authorization to increase the security of the application
- Utilized modern programming techniques to enhance user engagement

NYT Best Sellers | *.NET — C# — Microsoft SQL Server — Microsoft Azure*

Oct. 2022 – Dec. 2022

- Developed a dynamic website to display and update the current New York Times Best Sellers every two weeks
- Built through the ASP.NET Core framework with Razor Pages MVC to develop the front end
- Used Entity Framework Core to work with a database using .NET objects
- Previously deployed through Microsoft Azure using Microsoft SQL Server to manage the database