

Michael Corbishley

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EDUCATION

University of Wisconsin - Madison

Bachelor of Science in Computer Science

Aug. 2020 – May 2024

Madison, WI

COURSEWORK

Discrete Mathematics, Machine Organization and Programming, Programming I - III, Algorithms and Data Structures, Linear Algebra, Artificial Intelligence, Computer Graphics, Cryptography, Operating Systems, Big Data Systems, UI/UX Development, VR, Software Engineering.

EXPERIENCE

Full Stack Software Engineer Intern | Angular, SpringBoot, Google Cloud May 2023 – Aug. 2023

Integral Holdings

Madison, WI

- Aided in full-stack web app development using Angular and SpringBoot with MVC architectural pattern.
- Automated data integrity tool via creating a Gitlab CI/CD pipeline, deploying workloads into Google Cloud, as well as adding automated testing, linting, and metric collection to the tool, resulting in a runtime reduction of 75%.
- Collaborated with teammates in Scrum meetings and business representatives in bi-weekly meetings to showcase progress towards quarterly objectives and deliver demonstrations.

PROJECTS

Personal Portfolio Website (michaelcorbishley.com) | *Angular TypeScript, MaterialUI* June 2023 – Current

- Crafted an interactive personal portfolio website using Angular, creating a responsive design to engage visitors.
- Deployed site via GitHub Pages and hosting via Google Domains for domain registration and DNS settings.
- Utilized Material UI components to design a sleek and modern user interface.

WebApp Template ([Github Link](#)) | *React Typescript, Flask, Tailwind, MySQL, Docker* May 2024 – June 2024

- Developed a starter template for web apps with ReactTS, Flask, Tailwind, and Docker Compose.
- Created a Flask API for account registration and management via a MySQL database using hashed passwords.
- Implemented CI/CD pipelines for automated testing, linting, and pushing Docker images to DockerHub.

Euchre Web Engine ([Github Link](#)) | *ReactJS, SpringBoot, MySQL* Jan. 2024 – May 2024

- Designed a Euchre web app with a React frontend and a Spring API with WebSockets for real-time game management, connecting to a MySQL database for user logins, scores, and leaderboards.
- Collaborated with an agile team to convert business requirements and specifications to code.
- Created CI/CD pipelines for automated testing, linting, and Docker image testing, ensuring code quality.

Basketball Reference Web Scraper ([PyPI Link](#)) | *Python, Pandas, BeautifulSoup* Nov. 2023 – Dec. 2023

- Developed a web scraping application to grab NBA player and league data from basketball-reference.com
- Utilized BeautifulSoup with requests library to efficiently extract and parse data from HTML responses.
- Published the package on the Python Package Index, enabling seamless downloading through pip installation.

TECHNICAL SKILLS

Languages: Java, Python, C, MySQL, JavaScript, TypeScript, HTML/CSS

Frameworks: React, Angular, React Native, Flask, Express, SpringBoot, Apache Spark

Developer Tools: Git, Docker, Google Cloud Platform, Gitlab, CI/CD, Linting

AWARDS

Dean's List Spring 2024: UW-Madison College of Letters and Science Dean's List for Spring 2024.