Shawn Toubeau

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Education

Boston, Massachusetts   **Wentworth Institute of Technology**   **Graduated: April 2020**
Major: Bachelor of Science in Computer Science
Minor: Applied Math
Related Courses: Databases, Algorithms, Data Structures, Operating Systems, Parallel Computing, Software Engineering

Experience

Cambridge, Massachusetts   **Infogain at Meta**   **April 2020-Present**
Fullstack Developer
Glassworks: Fiber network management and assessment tool
- Develop major features to display, create, and manipulate data.
- Set up Jest unit tests for dozens of utility functions shared across the app.
- Collaborated with teammates in developing high-quality software via code review.
- Write abstracted ReactJs components and functions for high re-usability.
- Design and maintain Postgresql schemas and tables for new and existing functionality.
- Build sophisticated SQL functions and GraphQL queries to interface with our database.
- Significantly improved time to assign fibers to customers using new workflows.
- Backfilled missing data using one-off functions that utilized existing functionality.

Boston, Massachusetts   **Validity**   **Jan-May 2019, Sep-Dec 2019**
Fullstack Developer Intern
MyValidity: License entitlement tool, VTA: CRM data assessment tool
- Built graphical components with ReactJs for user-facing features.
- Expanded and enhanced our backend APIs.
- Set up CI/CD workflows with CircleCI to deploy automatically to AWS.
- Wrote unit tests for regression testing.
- Practiced Agile and scrum methodologies by utilizing Jira.
- Balanced time while working on multiple different projects.
- Participated in code reviews, sprint retros, and daily standup meetings.

Software Projects

Ping: https://github.com/ShawnToubeau/Ping (Individual)
- Developing a social media application that allows users to follow others and post messages.
- Leveraging Typescript for establishing typed definitions and gaining familiarity.
- Creating a RESTful backend server for storing and fetching user and post data.
- Authenticating users and cached sessions using Passport and JWTs.
- Utilizing: TypeScript, React, Redux, Express, Caching, MongoDB

NQueens Parallel Computing Project: https://github.com/ShawnToubeau/nQueens-MPI (Group)
- Created a parallel application that solves the NQueens problem in $O(N^k)$ time.
- Implemented genetic modification algorithms to increase our chances of reaching a solution faster.
- Achieved parallelization with a primary-secondary approach.
- Utilized: C, MPI, Genetic Modification Algorithms, Supercomputer

Miscellaneous Projects

Hackathon Organizer   **HackWITus**   **Jan 2017-April 2020**
- Coordinated with a small team to launch the first annual hackathon at Wentworth, continued to organize into the 4th iteration.
- Collaborated with the organizing team frequently to meet goals and expectations.
- Secured over $40k total by networking with multiple corporations and organizations.
- Hosted over 500 attendees total by promoting through social media and advertisements.
- Documented organizing process for future events and new organizers.

Skills

Software: (*proficient*): TypeScript, ReactJs, NodeJs, HTML/CSS, GraphQL, Postgres, Golang, Git, Unix (*familiar*): Rust, Docker