Benjamin Dow

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Motivated self-learner who believes that working with multi-disciplinary teams engineers better software solutions. Passionate about exploring new topics such as the optimization of cloud-based systems in a variety of operating circumstances, particularly in data-driven applications and solutions. Available for full-time employment September 2022. Skill and interest areas include:

- Feature Focused Maintenance of Legacy Systems
- Building Diverse Teams around CI/CD Processes
- Design of Full Stack Data-Driven Applications
- Application of Agile to Cross-Team Coordination

Education

M.S. Software Engineering, Rochester Institute of Technology, 3.8/4.0, May 2022
B.S. Software Engineering, Rochester Institute of Technology, May 2021

Relevant Experience

Software Engineering Co-op, Neustar, Fall 2019, Fall 2020, Summer 2021
Full-Stack engineer on a team of globally located engineers working on a variety of projects relating to a customer-facing system that supports customer relations.

- Using a set of aggregated data from Neustar's various systems, tasked with implementing necessary back-end and front-end components for an interface to view and interact with the data
- Worked with various engineers, product managers, and UI designers to fully understand the existing system, detailed requirements, and the desired interface
- Resulting interface in testing and set to be released for use by a significant portion of the client base
- Tools: React, Kanban NodeJs, Java, Spring Framework, Gerrit, Git, Redux, Saga, Jira

Software Engineering Co-op, Covetrus, Summer 2019
Worked with a team of engineers from different parts of the organization all working on projects relating to the ongoing improvement and stability of business systems.

- The project was a rudimentary system designed to give on-call engineers insight into production systems to assist in support tickets. Tasked with making improvements through bug fixes and UI adjustments and implementing an entity viewer for production databases and their relationships
- Worked with the initial creator of the existing tool to fully understand the system and devise new requirements. Solicited other engineers for additional requirements and improvement suggestions
- Resulting features were in production at time of departure and used daily by engineers
- Tools: Java, Spring Framework, React, Javascript, Redux, Webpack, Thymeleaf, Scrum, Jira, Git

Gallery Gateway, Software Engineering Senior Project, Fall 2020 to Spring 2021
Member of a team working to enhance an art gallery application to facilitate virtual showings and scholarship applications for the RIT School of Photographic Sciences.

- Started with an existing application currently in use by the department. Asked to implement scholarship submission and judging functionality and as well as to fix existing bugs
- Worked with the product owner to generate and confirm requirements. Development happened in two-week sprints
- Features finished at the end of the project period were in a testing phase and handed off to the following team for completion and production deployment. Currently in use by faculty and students
- Tools: React, NodeJS, Graphql, ExpressJS, Apollo, Redux, Scrum