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Michael A. Murphy

[Portfolio](#)

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Employment

Software Application Developer	Metis Consulting Group	5/2020 – 8/2020
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- Developed and optimized SQL queries, stored procedures, and site scripts to improve performance and address possible technical debt; cutting query runtime by as much as 50%
- Rolled out site updates following common OOP and MVC design patterns to satisfy client requirements
- Assisted in support development by triaging, collaborating, and communicating with internal stakeholders and clients to reach swift issue resolution
- Wrote and updated responsive and fast web pages using a combination of HTML, CSS, Bootstrap, JavaScript, and jQuery
- Effectively communicated ideas and blockers for various team meetings; improving work impact and reducing time to task resolution by 25%

Software Application Developer - Intern	Metis Consulting Group	6/2019 – 5/2020
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- Researched, documented, rolled out, and demoed the Raygun application monitoring tool and API into our codebase for improved crash reporting and debugging
- Learned about and participated in Agile team development, in particular, Consultancy Scrum
- Developed team support development skills, leveraging JIRA for issue creation, management, communication, and resolution

Education

Oswego, NY	SUNY Oswego	2017-2020
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- B.A. in Computer Science
- Coursework: Software engineering; Programming Languages; Testing; Data Structures; Algorithms; Calculus; Discrete Math; Networking; Network Security; Systems Programming; Multimedia Design

Technical Experience

Projects

- **Yelp Project** (2020). Desktop application that leverages the Yelp business and reviews datasets to serialize, read, and display the closest path from one business to another using graph traversal. Java, JavaFX, JSON
- **Turing Machine** (2019). Command-line script that parses an input file that provides a series of states and instructions for the machine to follow. C
- **Centro Bus Tracker** (2018). Web application that stores and displays historical data on bus arrival time using upstate New York's Centro Bus API. Flask, Python, JavaScript, HTML/CSS

Languages and Technologies

- Java, JavaScript, SQL, Python JSON, Node, XML, HTML, CSS, jQuery, Bootstrap, Git, React
- Microsoft SQL Server, IntelliJ, Visual Studio, Visual Studio Code, PyCharm, CLion, Jira, Confluence