

# Jacob Burley

<https://jburley992.github.io/mySite/>

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## Objective

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Seeking an internship opportunity in Software Engineering to help design future technologies and bring critical thinking and a goal-oriented attitude to your team

## Education

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### University of Michigan – Ann Arbor

April 2020

Bachelor of Science in Engineering in Computer Science

GPA: 3.376 /4.0

- Relevant Courses: Programing and Data Structures , Discrete Mathematics, Linear Algebra, Statistics & Data Analysis

### Macomb Community College

Early College of Macomb Program (2015-2017)

GPA: 4.0/4.0

## Work Experience

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### Drake Enterprises

IT Intern

June 2018 - Current

- Created reports using Power BI, to measure performance metrics for the Maintenance department, including customer satisfaction, and downtime for unplanned maintenance.
- Gathered data from Azure to make inferences about employee performance in a factory setting

### Soulliere Landscaping

Laborer

June 2017 – August 2017

- Was able to work independently and effectively for long periods of time, with previously given directives.

## Skills

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- **Languages:** Python, C++, C#, MATLAB, CSS, HTML, JavaScript, T-SQL
- **Software:** Microsoft Office, Command Line Utilities, Power BI, SQL Server
- **Tools:** Visual Studio, Visual Studio Code, PyCharm, Git, Command Line Utilities

## Project Experience

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### A Simple RPG

June 2018 - July 2018

- Created a short Final Fantasy like RPG using Python that implemented animations, cameras, enemies, menu systems, and a scene manager.
- Utilized object-oriented features such as inheritance and deep copies that allowed me to write reusable classes, specifically for the Scene manager and Menu systems

### University of Michigan, College of Engineering, Ann Arbor, MI

Underwater Vehicle Design

Sept 2017 – Dec 2017

- Collaboratively designed and implemented specifications for a working remotely operated vehicle that was able to report video information back to its users.
- Wrote technical communication documents to inform our professors of progress towards the deployment of our ROV.

## Activities

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- Varsity Wrestling- Served as team captain for 3 years during high school. I was able to effectively lead practices and teach younger athletes necessary skills
- Mu Alpha Theta- Club that involved math competitions and tutoring, specifically for mathematics (2016-2017)
- M-Lead: Volunteering activities during first week of college. We went through training sessions on how to create an inclusive environment and helped with move-in for freshman students at the University of Michigan.