# Jacob Pond
## Undergraduate - Computer Science
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Personable Computer Science major with strong communication and leadership experience seeks an internship in Software Engineering/Development. Thrive in collaborative environments that capitalize on strong communication and leadership skills and an ability to be resilient in ambiguous situations.

### EDUCATION

University of Wisconsin – Milwaukee, Milwaukee, WI
Bachelor of Science in Computer Science, anticipated 2021, Cumulative GPA: 3.3
Major GPA: 3.6
***Selected Courses***: *Linear Programming/Optimization, Introduction to Software Engineering, Algorithm Design, Systems Design, Data Structures and Algorithms, Calculus & Analytic Geometry 1, Information Structures, Programming Languages Concepts, Computer Networks, Programming Languages Concepts, Computer Networks, Computer Architecture, Intro to Artificial Intelligence, Intro to Operating Systems*

### SKILLS

- Languages: Java Programming, HTML5, CSS, C/C++ Programming, MIPS Assembly Language, Python Programming, MATLAB Programming, SML, Scala
- Software: Visual Studio, Pycharm IDE, Microsoft Word, Excel, PowerPoint, Salesforce, and Einstein Analytics

### PROJECTS

- **Queue Design Project**: Used Java to design a circular doubly linked queue data structure. Written for generic objects, so it works for Strings, ints, custom objects, etc. Utilizes an iterator, allows users to add and remove as many objects as they would like. Started and finished project within a week.
- **Data Analysis Project**: Taught myself how to use Salesforce and its predictive modeling app Einstein Analytics. Used these to model and examine dataset of insurance company customers, to determine which existing customers should be marketed vehicle insurance. Prepared a professional presentation to communicate findings in a manner that a client could understand.
- **Website Design Project**: Used agile methodology Scrum with a group of five people to design syllabus creation website. Website allowed instructors, teachers assistants, and administrators to login and create/edit syllabi as well as personal information such as office hours and contact info. Used python, Django, HTML, and CSS in the design of the website.
- **Personal Project**: Designed a program that could take inputted data about a video game economy. This program has two settings. If the user just wants to know what to do with their current resources, the program will tell the user what to create, and how much profit they should make. Otherwise, the program will tell the user exactly what to buy, in what quantity, what to make, and their projected profits. I've also started to move this program on to a personal website to increase ease of access.
- **RSA Encryption**: Implemented RSA encryption/decryption using Java with packages BigInteger and SecureRandom. Program took any input and encrypted it using RSA algorithm. Compiled using command line javac.
- **Queue/Stack Linked List**: Used C to create a linked list that could function as either a stack or a queue. Wrote helper functions and a node struct to allow user to create a queue or stack by adding and removing nodes from the front or the back. Nodes included a name and ID number.
- **File Storage Program**: Used C to write a program that takes in multiple files and writes them to one binary file. The program can then read from the binary file to output the files as they were initially formatted. Used dynamically allocated array, filled with pointers to structs for each file.

### WORK EXPERIENCE

Qdoba Mexican Restaurant, Milwaukee, Wisconsin
Cook/Line Server, 09/2018 - Present

- Utilize effective time management when preparing food for the entire restaurant throughout the day, following safety guidelines and ensuring appropriate quantities are prepared.
- Provide friendly, efficient customer service while preparing customer orders to exact specifications.
- Accurately complete sales transactions at the cash register.

Sand Creek Adventures, Jordan, Minnesota
Adventure Guide, 05/2016 - 08/2016

- Lead groups of 5 to 12 people through a zip line course, ensuring the safety of all group members.
- Encouraged and motivated group members as needed while leading groups on an elevated ropes course safely.
- Lead numerous company groups in team building exercises, assisting with mediation in discussions.
- Engaged with customers to provide an enjoyable experience.

General Mills Factory, Chanhassen, Minnesota
Machine Operator, 05/2017 – 08/2017

- Oversaw quality of product on assembly line. Discarded products of poor quality
- Packaged products on assembly line, as well as in the shipping department
- Operated machines involved in making the food and disposing of waste

## ORGANIZATIONS

River Revitalization Foundation (10/2019 - 12/2019): Worked as a volunteer to help maintain the land around the Milwaukee River. Planted plants, killed invasive species, etc.