

Jacob Scherber

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Relocating to Baltimore June 2018

Education

University of Minnesota

Bachelor of Arts, Computer Science

Major GPA: 3.8

Deans List: Fall 2016, Fall 2017

Minneapolis, MN

Expected May 2018

University of Minnesota

Bachelors of Arts, Philosophy

Minneapolis, MN

May 2013

Certifications

Java SE 8 Oracle Certified Associate (1Z0-808)

August 2017

Java SE 8 Oracle Certified Professional (1Z0-809)

Expected July 2018

Skills

Languages Java, Python, C, C++, Javascript, JSON C#, VBA

Software Git, gdb, Emacs, Eclipse, Pycharm, IntelliJ, Doxygen/Javadocs, Microsoft Office, Adobe Acrobat

Projects

Vote Counter (Java)	<ul style="list-style-type: none">• Program to count vote records provided in a CSV file using either Plurality of STV Droop style voting utilizing both Waterfall and Agile development methods• During Waterfall, wrote a software requirements document, created UML class, sequence, and activity diagrams, and a software design document.• Implemented the designs in Java, utilizing file I/O, polymorphism, and encapsulation.• Ensured correctness using unit and system tests, tracked bugs in a bug log, and tracked testing results using a test log.• Completed an Agile sprint with backlog refinement, daily scrum meetings, and test-driven development.
Robot Simulator (C++)	<ul style="list-style-type: none">• Multi-phase program with a player-controlled robot capturing bases and a robot automata simulator using the Strategy and Observer design patterns.• Extensive use of class inheritance and polymorphism for the Robot, game entities, and behaviors for the Strategy pattern.• Documentation using UML class diagramming, Doxygen and design specification documents.
Information Display (Python)	<ul style="list-style-type: none">• Downloads information from Google Maps and WeatherUnderground web APIs and parses the returned JSON to provide daily driving and weather information.• Displays the resultant information and images on screen in a GUI using the Tkinter library

Experience

Virtual Radiologic

Application Specialist

Eden Prairie, MN

November 2015 – Current

- Help on-boarding Echo credentialing software for our department; debugging system features and providing training.
- Build automated reports for colleague, implement data queries using a pseudo-SQL language, and write related training documents.
- Obtain primary source verification of physician credentials and verify the correctness of documents generated by the Echo credentialing software prior to Physician approval.

Mary T. Inc.

Direct Support Professional

Coon Rapids, MN

July 2013 – May 2016

- Help individuals with developmental disabilities with daily task, maintaining medication schedules, and learning new skills.