Jacob Allen Abkes

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Objective: Obtain an internship or co-op for the summer of 2020 in Software Engineering

Education

Bachelor's of Science in Software Engineering at Iowa State   Ames, IA
Minor in Russian Language   Cumulative GPA 3.46
Expected Graduation Date: 2022

Systems & Languages

Well Known: Java, Python, C(Non POSIX), C++, JavaScript
Familiar: Verilog, C#, HTML, CSS
Operating Systems: OSX, Windows, Linux

Projects

CS 227: Implemented a modified version of Tetris, & 2048.
CPRE 281: Implemented a 7 digit display using Verilog with Quartus Prime
CS 228: Provided proper java implementation of several data structures including; BST, Red Black Tree, 2-3 & 3-4 Trees, AVL Trees, DAG
SE 319: Implemented a multi-threaded server where the user can chat with other users through the server
Personal: Defined a class to find sets of data in a 2D array
Personal: Working towards a game that uses graphs to organize and distribute resources
Github Link: https://github.com/jaabkes

Work Experience

ISU CS 227 Teaching Assistant   Jan. 2019 - Present
- Analyze, debug, and provide critical feedback on students' code and style
- Reinforce the ideas of Polymorphism, Abstraction and Encapsulation
- Provide and investigate systems and programs to ensure thorough documentation and functionality
- Adhere to federal regulation of secure and private student data

Plastic Recycling of Iowa Falls Internship   May 2018 - August 2018, May 2019 - August 2019
- Collaborated in a team based environment to efficiently mass produce products
- Communicated between different departments of production to better manage the input material costs and production costs of each order
- Connected with customers to provide products that fit each order's specification
- Learned and executed an Agile based system to better improve new processes

Leadership & Activities

Triangle Fraternity   Jan 2018 - Present
- Member and Former Chair of Alumni Relations   May 2018 - Jan 2019
  - Managed documentation of time and costs of alumni sponsored events

Russian Club
- Member of the Iowa State University Russian Club   Aug 2017 - Present
  - Discussed and compared Russian culture and American culture

Robotics Club   Aug 2016 - May 2017
- Founder of Iowa Falls - Alden High-school Robotics Club
  - Managed financing, events, and teams to work on various projects using Arduino