Jacob Babik

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SUMMARY

Computer Science Junior with experience in C/C++, C#, Java, information assurance, and project management pursuing a cybersecurity or software engineering internship for the summer of 2020.

EDUCATION

Bachelor of Science in Computer Science (Cybersecurity)   Graduating December 2020
Barrett, The Honors College, at Arizona State University, Tempe, AZ   3.63 GPA

SKILLS

Programming: C, C++, C#, Java, HTML/CSS, MATLAB, Scheme, Prolog
Development tools: Visual Studio, GCC/G++, GDB debugger, Unix, Wireshark, Eclipse, Git, Linux OS
Spanish Language: written, spoken
Other: Microsoft Excel/PowerPoint/Word, TCP/IP concepts, Application security

ACADEMIC PROJECTS

Portfolio Website (www.jacobbabik.com)   Winter 2019
- Developed skills necessary in HTML and CSS in order to design an online personal portfolio
- Configured DNS hosting and SSL certificate to publish the website online

ASU, Dijkstra's Shortest Path Final Project   Spring 2019
- Assembled Dijkstra's Shortest Path algorithm in C++ using a weighted, directed graph
- Implemented min-heap data structure to use as a priority queue
- Ensured a required running time of $O((|E|+|V|)\log|V|)$

Digital Homework Planner (Personal)   Spring 2019
- Programmed a digital planner in Java to store data on homework assignments and projects
- Designed a user-friendly graphical user interface using Eclipse and JavaFX

ASU, Barrett Honors Project   Fall 2018
- Researched .NET Framework and studied C# coding conventions in order to develop a web browser
- Incorporated five built-in features and an interactive game into the browser
- Utilized ASP.NET and WCF .svc services to host the features and game

ASU, Autonomous Driving Robot   Fall 2017
- Collaborated in a team of three to design, build, and code an autonomous driving robot
- Utilized motion, color, and distance sensors to guide the robot through a simulated roadway
- Led the development of the MATLAB autonomous driving code base

WORK EXPERIENCE

Dick's Sporting Goods, Gilbert, AZ: Sales Associate   Jan 2019 – Present
- Coordinate with workforce and interact with customers in order to provide excellent customer service
- Maintain perfect shift attendance

Greenfield Lakes Golf Course, Gilbert, AZ: Pro Shop Attendant   Aug 2015 – Nov 2018
- Implemented a new computer system helping to minimize downtime
- Managed a team of eight people ensuring that proper operating procedures were followed
- Created weekly shift schedules verifying that there was sufficient shift coverage
- Trained new and existing employees on computer systems and operating procedures

ACTIVITIES

Software Developers Association (SoDa)   Jan 2019 – Present
- Advance software development knowledge and skills by attending lectures and participating in coding challenges