JAROD M. VICKERS

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OBJECTIVE

Accomplished computer engineer student seeking a full-time software engineering position beginning June 2020.

EDUCATION

University of Pittsburgh Swanson School of Engineering **Expected Graduation: April 2020**
- **Major**: Computer Engineering
- **GPA**: 3.96

Relevant Coursework: Algorithm Implementation, High Performance Computing, Computer Vision, Software Quality Assurance, Web Development

SKILLS

Primary Programming Languages: Java, Python, C#
Secondary Programming Languages: JavaScript, C, .NET, Ruby, SQL, MATLAB, HTML, ASM, VHDL
Operating Systems: Windows: 7, 8, and 10. Linux: RedHat6, RedHat7, Suse11, Suse12, Cent7
Software: GIT, ANSYS Aim, ANSYS Mechanical, ANSYS Workbench, Eclipse, Selenium WebDriver, Electron JS, Microsoft Office: Visual Studio, Excel, PowerPoint, Word
Languages: Experience with Spanish

WORK EXPERIENCE

ANSYS Software Development Co-op, Canonsburg, PA: **May 2019 – August 2019**
- Worked on a team developing front-end and back-end software for ANSYS Aim in C# and .NET
- Developed and refactored unit tests for better software stability
- Implemented user interface improvements by upgrading graphical displays of information
- Assisted in creating a new exception handling system

ANSYS Software Testing Co-op, Canonsburg, PA: **January – April, August – December 2018**
- Worked on a team that tests several ANSYS products in conjunction with ANSYS Mechanical
- Maintained and updated over 1,500 preexisting automated tests
- Constructed automated C# stress and integration tests with Selenium and Electron JS to test ANSYS Additive
- Devised an automated Python script to accurately detect mesh differences in 3D models
- Developed integration tests to upkeep additive manufacturing in ANSYS Mechanical using JavaScript and Python

Pitt Academic Support Services for Student Athletes, Pittsburgh, PA: **September 2017 – December 2017**
- Tutored student athletes in Physics 1 and 2
- Utilized communication skills to convey topics to others in a clear and concise manner

PROJECTS AND POSITIONS

Pitt Women in Computer Science **January 2019 – Current**
- Promote diversity within computer science and other technologically related fields
- Connect with professionals in industry and the Pitt community for networking and outreach events

Pitt Challenge Hackathon Third Place **October 2019**
- Worked with a team to create a virtual reality simulation of surgeries using Unity and Oculus software
- Created animation control logic by developing finite state machines using C#

Engineering Student Council Philanthropy Committee **September 2017 – September 2018**
- Support the progression of student engineers socially and professionally by sponsoring events within SSOE
- Member of committee that provided for and improved the Pittsburgh community through various charitable events

Swanson School of Engineering First Year Engineering Conference **April 2017**
- Researched and presented on User and Entity Behavior Analytics and its application to cybersecurity