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 surgery 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