Nicholas P. Suarez

nsuarez@umich.edu | (248) 721-5704 | nicosuarez.com

Education

University of Michigan – Ann Arbor, MI   *Fall 2012 – Winter 2016*
Computer Science Engineering

Work Experience

Pure Storage   **Mountain View, CA**
Software Engineer – ActiveCluster UI Team   *February 2017 - Present*
- Developed CLI and REST APIs for user interaction with the new ActiveCluster feature
- Worked on FlashArray's 'Middleware' layer, for communication between the front and back ends
- Worked primarily in Java, Python, C++, and JavaScript

Pure Storage   **Mountain View, CA**
Software Engineering Intern – Apps team   *May 2016 – August 2016*
- Worked on integrating Docker into the Pure Storage Apps platform
- Created a GUI using ReactJS to interact with and manage Docker containers remotely

Fidessa   **Chicago, IL**
Software Engineering Intern   *June 2015 – August 2015*
- Worked with clients on the development and customization of a trading platform
- Created and revised internal company tools using TCL

University of Michigan Computer Showcase   **Ann Arbor, MI**
Technical Consultant   *December 2014 – May 2016*
- Diagnostics and repairs of hardware and software related issues on customers' computers

Programming Experience

1Q   *NodeJS/HTML/CSS*
- Shared music playlist implementation – one host plays the playlist while friends add songs to the queue
- Implemented using NodeJS integrated with Spotify's Web Player API

"Drone Routing" Pathfinder   *C++*
- Given a list of facilities, generated MST's to estimate shortest path to visit all
- Implemented classic NP-Complete Travelling Salesman Problem in strict time requirements
- Gained experience using branch-and-bound algorithms and other algorithm families

Technical Skills

C++, C, Java, Python, JavaScript, HTML, CSS, SQL, TCL, Verilog HDL, Matlab, XML, LaTeX, Microsoft Office

Relevant Coursework

Algorithms, Operating Systems, Database Management, Data Structures, Computational Theory, Logic Design,
Computer Organization, Object Oriented Programming, Discrete Mathematics

Volunteer Work

Service trip with Team4Tech   *October 2017*
- Traveled to Vietnam to give orphaned children a chance to learn and get excited about STEM opportunities
- Developed a Chrome Extension (in JS) to translate the Micro:bit interface to Vietnamese for the children to use

Mission trips with church
- 4 separate trips to repair houses and interact with poverty-stricken communities around the US

Leadership

Drum Major of Marching Band – Berkley High School   *2009 - 2012*
- Led and directed entire marching band of 120 kids