

Nicholas P. Suarez

nsuarez@umich.edu | (248) 721-5704
1616 Wiltshire Berkley MI 48072

Education

University of Michigan – Ann Arbor, MI
B.S. Computer Science Engineering

Fall 2012 – Present

Work Experience

Fidessa

Software Engineering Intern

Chicago, IL

June 2015 – August 2015

- Worked with clients on the development/customization of a trading platform
- Created/revised internal company tools

University of Michigan Computer Showcase

Technical Consultant

Ann Arbor, MI

December 2014 - Present

- Diagnostics/repairs of hardware/software related issues on customers' computers
- Assistance with sales of technology and related goods

Programming Experience

“Drone Routing” Pathfinder

C++

- Given a list of facilities, had to generate MST's to estimate shortest path to visit all
- Also had to implement classic NP-Complete Travelling Salesman Problem in strict time requirements
- Gained experience using branch-and-bound algorithms and other algorithm families

Stock Market Simulator

C++

- Simulated a day in the stock market when given a list of trade orders
- Outputted many statistics as specified by command-line flags (best time to buy/sell an equity... etc.)
- Gained experience using hash tables, priority queues, and binary search trees

Technical Skills

C++, C, Java, TCL, JavaScript, SQL, Verilog HDL, Matlab, XML, LaTeX, Databases, Multithreaded, Microsoft Office

Relevant Coursework

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

Volunteer Work

4 Mission Trips

- Repaired houses and interacted with poverty-stricken communities around the US
- Worked in groups of strangers

Haiti Relief Effort

- Collected, sorted, and shipped relief medicine, food, and clothing to Haiti after 2010 earthquake

Leadership

Drum Major of Marching Band – Berkley High School

2009 - 2012

- Led/directed full marching band of 120 kids
- Attended Drum Major Camp 3 times to learn valuable leadership and public speaking skills

VP of New Member Education/Serenades – Delta Upsilon Fraternity

2013 - Present

- Educated new members on the history and policy of the fraternity
- Wrote/taught serenades for new members as well as all actives to sing to sororities