

Carlos Joseph Barcelos

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18 Kimball Road
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- Objective:** Full time position in the field of Computer Science with a focus in Software Engineering
- Education:** Worcester Polytechnic Institute (WPI), Worcester, MA
Bachelor of Science Computer Science, Expected Graduation 2018
Minor in Electrical and Computer Engineering & Data Science
- Related Courses:** Object-Oriented Analysis and Design (CS4322), Computer Networks (CS3516), Database Systems (CS3431), Software Engineering (CS3733), Systems Programming Concepts (CS2303), Algorithms (CS2223), Advanced Digital System Design with FPGAs (ECE3829), Real-Time Embedded Systems (ECE3849), Embedded Computing in Engineering Design (ECE2049)
- Skills:** **Computer/ Technical Skills**
Programming and Scripting Languages: C, Java, Python, HTML, CSS, SQL
Operating Systems: Windows (XP, Vista, 7, 8, 10), Linux
Microsoft Office: Word, Excel, PowerPoint, SharePoint
- Projects:** **Major Qualifying Project (MQP)**, *Urban Data Visualization Systems* WPI Aug. 2017 – Present
Upgrading an existing data visualization system with a new infrastructure, data sets, and features on a team of two. Working with website hosting tools, data visualization strategies, and machine learning to both track and discover patterns in large data sets.
Interactive Qualifying Project (IQP), *Stock Trading Systems* WPI Oct. 2016 – May 2017
Worked in a small team to develop a system of stock trading systems which worked in unison to systematically and successfully trade the financial markets. Adapted one trading strategy and then combined with a partner's trading to find a symbiotic combination of the two trading strategies.
- Experience:** Dell Inc., Nashua, NH May 2016 – Aug. 2016
Sustaining Engineering Intern
 - Analyzed hardware documentation to test enterprise storage solutions
 - Communicated findings with Documentation Team to better user experience
 - Utilized my personal skills to create new tools for the Sustaining Engineering TeamTown of North Andover, North Andover, MA Jan. 2011 – May 2014
A/V Technician
 - Worked with companies of diverse backgrounds to fulfill specific technical requests
 - Managed electrical systems and adapted them to customers' particular needs
 - Inventoried, fixed and maintained the integrity of NAHS equipment
 - Guaranteed teacher satisfaction through problem solving and education of their new or updated equipment
- Leadership:** **Service Vice President**, Alpha Phi Omega – Omicron Iota, WPI Aug. 2017 – Present
 - Co-Lead of the annual Merit Badge University for two-hundred Boy Scouts
 - Establishing connections with the community to create service projects for the brotherhood**Fellowship Vice President**, Alpha Phi Omega – Omicron Iota, WPI Jan. 2016 – May 2016
 - Worked to create a sense of comradery and friendship within the brotherhood
 - Active member and leader for the brotherhood**Vice President**, Green Team, WPI Mar. 2015 – Feb. 2016
 - Work with an executive board to run and better the student sustainability club
 - Helped to initiate and now manage the new, campus-wide bike share program**Volunteer**, ReStore, Habitat for Humanity May 2017 – Jul. 2017
 - Volunteered daily assisting day-to-day operations at ReStore