# AUSTIN C. ROCHA

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**OBJECTIVE:** To obtain a summer internship in the field of Software Engineering.

**EDUCATION:**

**Stevens Institute of Technology**, Hoboken, New Jersey Expected May 2019
Bachelor of Engineering in Software Engineering, **GPA:** 3.264
**Honors:** Edwin A. Stevens Scholarship, Dean's List (Fall 2015–Spring 2016)
**Courses:** Programming, Calculus I & II, Mechanics, Engineering Design I & II

**PROGRAMMING SKILLS**

**Operating Systems:** Mac OS, Windows, Windows Server 2012 r2, Ubuntu
**Software:** Xcode, Netbeans, Visual Studio 2015, GitHub, Atom, Navicat, phpMyAdmin, MySQLWorkbench, Apache Web Server, Wolfram Desktop, Mathematica 11, Excel, Solidworks, Adobe Photoshop CC 2014
**Languages:** C++, Java, Javascript, PHP, HTML, CSS, Wolfram, LabView, Matlab

**ACADEMIC PROJECTS:**

**Stevens Institute of Technology,** Hoboken, NJ

**Peerless Tic-Tac-Toe Bot Project** 11/15–12/15

- Utilized Github to host source code for easier group collaboration amongst four team members
- Segmented project into subdivisions and assigned roles and tasks to each group member
- Developed logic for the bots win strategy by predefining known tic-tac-toe strategies
- Identified and remedied bugs in which the player could easily win by testing edge cases

**Arduino-based Robot Project** 10/15–12/15

- Implemented functions for sensor reading and motor movement to reduce the amount of code required
- Programmed the robot's movement logic with the use of light sensors and calibrated by taking Lux readings
- Optimized the code for easy sensor pin reassignment by making it independent of a given pin
- Generated detailed function documentation for reusability and malleability

**WORK EXPERIENCE:**

**Wolfram Research,** Hoboken, NJ 4/16–Present
Student Ambassador:

- Familiarized with Wolfram's products and technologies, such as, Wolfram|Alpha, Mathmatica, and the Wolfram Language
- Inform students about the benefits of utilizing the Wolfram Language by hosting on-campus meet ups and stands to increase the use of the Wolfram Stack

**PROJECT EXPERIENCE:**

**Personal Website (austinrocha.com)** 6/15–Present
Web Developer:

- Optimize web page load times using the Bootstrap framework to ensure efficiency
- Employ GitHub for code management and GitHub Pages for hosting the site

**Gaming Community Website (au1st3in.net)** 9/14–Present
Web Developer/Administrator:

- Utilizing Materialize Design Framework for site formatting, including CSS and JS
- OpenID Integration for Steam Login, and GameQ Integration for server query
- Work in progress – Admin page for remote server management and maintenance

**ACTIVITIES:** Stevens: Technical Enrichment Program, Society of Hispanic Professional Engineers, Computer Science Club, Cyber Defense Team, Philosophy Club, Recreational Archery Club

U.S. Citizen