

# Brandon Widow

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Website: <https://blackwidowprojects.github.io>

## EDUCATION

**Bachelors of Science** in Computer Engineering Technology

Minor: Mathematics

University of Houston, Houston, TX, Spring 2016

GPA: 3.2

## EXPERIENCE

**IT Support** University of Houston, Houston, TX (February 2016 – May 2016)

- Install software on school computers
- Diagnose and fix software related issues
- Write batch files for Windows to compile desktop information into database

**Geek Squad Consultation Agent** Best Buy, Richmond, TX (July 2015 – February 2016)

- Install software on Windows and Mac OS
- Troubleshoot software issues
- Diagnose and install computer hardware

## SKILLS

Hardware: DC/AC Circuit Design, LabVIEW, AutoCAD

Programming: C++, Java, HTML, JavaScript, PHP, CSS, UNIX, SQL

Other: Project Management, Finance Management, Microsoft Office, Photoshop, Logic Pro X

## PROJECTS

**Sensor Applications** University of Houston, TX (*Spring '15*)

- Sleeve (Systematic Limb & Extension Equipment for Vitals Examination)
- Designed a wearable compression sleeve that uses a programmable microcontroller & sensors to measure vital signs and displays the results to a LabVIEW VI.

**Senior Project Design** University of Houston, TX (*Spring '16*)

- Hyefi (Hydroponic Efficient Interface)
- Lead a team of 5 members to design and construct an indoor ebb & flow hydroponic system that uses a Raspberry Pi microcontroller, sensors, and components to automate the grow method of plants. Selects plant data from SQL database and displays information on a hosted website.

**Go-Maps! Website** (*Summer '16*)

- User/Password/Register system connected to SQL database. Accesses webpage developed with HTML, JavaScript, and PHP. Combines Bootstrap framework with Google-Maps API to allow users to drop custom address markers on nearby locations.

## LEADERSHIP AND ORGANIZATIONS

**International Society of Automation**, University of Houston, Houston, TX (Dec 2014 – May 2016)

- Appointed Treasurer
- Manage the financial budget and transactions
- Schedule organizational meetings

## AWARDS

**1<sup>st</sup> Place Undergraduate Student Final Project** University of Houston, 2015

**Succeed in Engineering Technology Scholarship** University of Houston, 2015