

Objective

Dedicated team leader with hands-on experience managing multiple projects looking for a software engineering position.

Education

Florida Atlantic University, Boca Raton, FL

GPA: 3.97 / 4.0

Bachelor of Science in Computer Science, May 2019

Bachelor of Science in Computer Engineering, May 2019

Honors: *summa cum laude*, Tau Beta Pi Honor Society, Phi Kappa Phi Honor Society

Selected Coursework: Embedded System Design, Artificial Intelligence, Formal Languages and Automata Theory, Data

Structures and Algorithm Analysis, Computer Operating Systems, Intro to Databases, Software Engineering, Electronics 1

Skills

Programming: C/C++, MATLAB, SQL, PHP, JavaScript, Node Red, HTML, CSS

Environments: Linux (Ubuntu 16), Windows 10, Oracle SQL, LAMP Stack

Software: Git, Solidworks, Autodesk Eagle, Cadence PSpice

Foreign Languages: Fluent in Turkish

Projects

Autonomous Underwater Vehicle | Marine Robotics Club

Sep 2016 – Present

- Implemented a heading-based P controller, and stereoscopic visual recognition.
- Designed and built a testing rig for thruster power levels at varying voltages.
- Assisted in design of custom PCB for system electronics and internal layout of electronics box.
- Modeled mechanical parts and manually fabricated various pieces.

Tools used: **C++, Arduino, OpenCV, Solidworks, Eagle, MATLAB**

Wireless Communication | Institute for Sensing and Embedded Network Systems Engineering

Nov 2017

- Developed a CC1101 transceiver library for cross microcontroller communication.

Tools used: **C, SPI communication, MSP430 MCU, Launchpad Development board, Code Composer Studio**

HomeBuddy | IoT Hardware Hackathon | 1st Place

Feb 2018

- Worked with 3 partners to develop a bot that recognizes when a child arrives at home, notifies their parent, and converses with the child about various topics utilizing IBM Watson Visual Recognition, Text-To-Speech, Speech-To-Text, and Conversation services.

Tools used: **JavaScript / Node Red, IBM Watson services, Raspberry Pi, Linux command line, SSH, Vim**

OwlShack | Software Engineering Final Project

Jan 2018 – Apr 2018

- Developed a webstore for part requests by students from the university's electronics lab.
- Utilized scrum development techniques to manage a group of 4.

Tools used: **SQL, PHP, HTML, CSS, Scrum, Trello, Visual Studio Code, Nano**

Work Experience

IKC Cleaners | Assistant Manager

Aug 2014 – Present

- Developed and maintained company website. Provided technical support for computer systems.

Students Den | Tutor

Nov 2014 – Jun 2015

- Taught STEM subjects and prepared students for standardized exams.
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Leadership

Marine Robotics Club | RoboSub Competition Team Captain

Sep 2016 – Present

- Led a team of 20 undergraduates in design, construction, and testing of an autonomous underwater vehicle.
- Simplified project entry barrier for new members and provided constant mentorship.
- Managed overall project. Set deadlines, prioritized tasks, and budgeted during year-long project.

Tau Beta Pi Honor Society | Committee Chair

Dec 2016 – Present

- Established communication with over 10 other university clubs.
- Headed engineering outreach event with Boy Scouts of America for the Engineering Merit Badge.

Marine Robotics Club | Treasurer

Jan 2017 – Present

- Managed organization's funds consisting of grants and private donations totaling more than \$10,000.
- Generated purchase orders, procured sponsorships, prepared annual budgets, and negotiated with suppliers.