E.J. Hannah

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EDUCATION

Stevens Institute of Technology
ME In Computer Engineering
Embedded Systems Conc.
December 2022 | Hoboken, NJ

Stevens Institute of Technology
BEng In Computer Engineering
Computer Architecture Conc.
Minor in Philosophy
May 2022 | Hoboken, NJ
GPA: 3.90 / 4.00

Coursework

Digital System Design
Engineering Programming: C++
Digital & Comp. Sys. Architecture
Microprocessor Systems
Circuits and Systems
Comp. Data Struct. & Algorithms
Modeling and Simulation
Transport Phenomena in SSDs

RELEVANT SKILLS

Software

Xilinx Vivado • GHDL • MATLAB Simulink • PSpice • Raspberry Pi • GitHub • Omnet++ • SolidWorks • LabVIEW • Cura • Microsoft Office Suite • Google Suite • Visual Studio Code • Arduino

Programming

VHDL • C++ • ARM Assembly • Java • LaTeX • HTML • CSS • Excel • Python

Languages

French - A2

LINKS

LinkedIn://**edward-hannah**
GitHub://**EdgeHannah**
Handshake://**15080928**

HONOR SOCIETIES

Gear & Triangle
Eta Kappa Nu
Rho Alpha Sigma

PROJECTS

Speaker Crossover Network

January 2020 - May 2020 | Hoboken, NJ

- Designed three passive crossover networks in MATLAB Simulink for filtering frequencies between mid-range and woofer speakers
- Performed theoretical and experimental calculations on gain and crossover frequency to determine filter order

Field Sustainable Sensor System

January 2019 - May 2019 | Hoboken, NJ

- Integrated a rudimentary Internet of Things (IoT) system to communicate acquired data to a cloud server
- Collected, stored, and visualized data gathered from deployed sensors using LabVIEW and Microcontroller DIO
- Practiced long-term project management and communication skills through team collaboration

Autonomous Mobile Robot

August 2018 - January 2019 | Hoboken, NJ

- Prototyped and refined a robotic system featuring mechanical and sensual components using a systems design process
- Constructed hardware structure and supplementary basic Arduino programs for sensing and controlling software

EXPERIENCE

Teaching Aide

May 2019 - August 2019 | Wellington, NZ

- Designed and implemented engaging lesson plans, teaching English as a second language to refugees
- Worked under professor's direction to maintain a clean, safe, and comfortable teaching environment
- Engaged one-on-one with students with behavioral problems and learning disabilities in classroom and extracurricular settings

Commvault | Development Intern

August 2018 - January 2018 | Tinton Falls, NJ

- Developed REST API requests for the Commvault Collection on Postman software
- Automated API testing on the CommCell server using Newman and Python scripts
- Collaborated with experienced employees on Commvault's REST API documentation

LEADERSHIP

Computer Technology Committee | Outreach Chair

August 2020 - Present | Hoboken, NJ

- Hosted weekly educational presentations on computer technologies such as GitHub, C++, VHDL, and more for approximately 30 students
- Coordinated workshop development with relevant campus organizations and institution faculty

Student Government | Campus Life Committee Chair

August 2018 - Present | Hoboken, NJ

- Worked with university administration to execute campus-wide initiatives encompassing female empowerment, mental health, social and study spaces, and general quality of life campus improvements
- Structured bi-weekly meetings regarding discussion on development of committee initiatives

INVOLVEMENT

Student Government Association • The Stute • Academic Support Center Tutor • Symposia Book Store Volunteer • Presenter for Stevens *150 for 150*