Evelyn Putri

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Education

Duke University
Aug. 2017 – May 2021
B.S.E. Electrical & Computer Engineering
B.S.E. Biomedical Engineering
GPA: 3.88

Relevant Coursework

- Microelectronic Devices
- Signal Processing
- Data Structures & Algorithms
- Medical Device Design & Instrumentation
- Medical Imaging
- Computer Architecture

Skills

Product Design & Manufacturing
Rapid prototyping, Eagle, Fusion 360, Simulink, Microcontrollers, JMP

Software Development
Proficient:
Java, MATLAB, C#
Familiar:
SQL, C, HTML/CSS, Python

Interests

- Volleyball
- Running
- Baking
- Reading

Work Experience

Medical Device Engineer Jan. 2020 to Present
Duke BME Design Fellows Durham, NC

- Developed and assembled analog circuit schematic, PCB (*Eagle*), and 3D mechanical design (*Fusion 360*) of LED box with adjustable modes
- Ideate common-resource mechanical ventilator design to address shortages due to COVID-19 demand
- Collaborated with two Duke physician clinical sponsors to define user needs and product designs for mechanical ventilator prototype

Breast Diagnostics Circuit Designer Aug. 2019 to Present
Center for Global Women's Health Technologies Durham, NC

- Design and assemble circuit components for breast diagnostics imaging tool using *Arduino*
- Develop *Java GUI* software to allow for convenient control of LED in fluorescence imaging procedure
- Explore alternatives of product design to ultimately provide low-resource diagnostic tools

Semiconductor Test Engineering Intern May 2019 to Aug. 2019
Cree | Wolfspeed Research Triangle Park, NC

- Built software application using *C#* to automate the electrical testing of RF devices
- Performed statistical analyses utilizing *SQL* queries and *JMP* software to qualify new electrical test system into processing line
- Coordinated professional development panel session with RTC and Cree's Women's Initiative

Duke ECE Teaching Assistant Jan. 2019 to Present

- Conduct weekly lab meetings utilizing electronic test equipment, *MATLAB*, and *Simulink* for 90 students in Signals and Systems course
- Aid 40 students in Fundamentals of Electrical Engineering course in digital and analog circuit analyses during weekly office hours
- Received Teaching Assistant Citation award (Spring 2019)

Extracurricular Activities

Rewriting The Code (RTC) Hub Leader Apr. 2019 to Aug. 2019

- Accepted into selective fellowship program of 2000+ high-achieving college women in engineering and tech
- Organized professional and social events in collaboration with other hub leaders for 33 Raleigh/Durham interns during Summer 2019

Duke Technology (DTech) Scholar May 2019 to Present

- Engage with a collaborative community of 40 Duke women pursuing technical careers in Research Triangle Park, NC