

DESVVAUN DRUMMOND

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EDUCATION

Bachelor of Science in Electrical Engineering, Minor in Mathematics
Howard University, Washington D.C.

Graduation: May 2023
Cumulative GPA: 3.85

Technical Skills: C, Python, RTL, VHDL, MATLAB

Organizations: Tau Beta Pi, National Society of Black Engineers, Institute of Electrical and Electronics Engineers

PROJECT EXPERIENCE

Electronics and SS Devices:

- Introduced to research in nanotechnology and transformational computing

Advanced Digital Systems Design:

- Designed a microprocessor called, LC3 (Little Computer 3), in VHDL using ModelSim for testing, and functional verification
- Components included Multiplexers, ALU, Registers & Register Arrays, Adder, Program Counter, RAM, MAR/MDR, Finite State Machine, etc.

Google 2022 Hardware Product Sprint Participant (Electrical Engineering Track):

- Designed an Arduino-based digital clock using KiCAD through the mentorship of Google engineers

WORK EXPERIENCE

NSF Center for Integrated Quantum Materials at Harvard University, Visiting Undergraduate Research Intern

June 2022 – August 2022

- Worked with the group of Riccardo Comin at MIT to study interaction of magnetism and structure of 2D magnetic materials
- Participated in a nanofabrication summer school ran by the Harvard University Center for Nanoscale System

Howard University Residence Life, Resident Assistant at Charles R. Drew Hall

August 2021 – Present

- Managed a freshman dorm and promoted excellence, addressed student needs, fostered a sense of community, and enforced university policies
- Performed various administrative duties including incident reports, maintenance issues, room inspections, emergency response, and desk shifts

HBCU 20x20 Fall 2021 Virtual Apprenticeship Program, Tech FORWARD//Fellow

Washington, D.C.

- Selected to participate in HBCU 20x20's Tech FORWARD//Fellowship program
- Provided the opportunity to learn, engage and grow as a young professional within the field of tech
- Provided the exposure to various companies such as Microsoft, Activision, and Redfin

Project Destined Summer 2021 Virtual Internship Program, Intern, Team FCP- Federal Capital Partners

Washington, D.C.

- Participated in the evaluation of a live real estate deal involving the development of a mixed-use asset in Northwest Washington, D.C.
- Received 60+ hours of training on real estate fundamentals, property valuation, deal financing, financial modeling, and market research

LEADERSHIP EXPERIENCE

DC Alpha Chapter of Tau Beta Pi, Corresponding Secretary

May 2022 – Present

- Ensured all required reports are completed and submitted to Headquarters by the stated deadlines

Howard University Chapter of the National Society of Black Engineers, Membership and Academic Excellence Chair

April 2022 – Present

- Oversee all membership related activities and promoted academic excellence within the chapter through various programming events

Howard University Chapter of the Institute of Electrical and Electronics Engineers, Programs Chair

April 2022 – Present

- Planned programs for current/prospective members and supported the overall growth of the chapter

Howard University College of Engineering and Architecture Student Council, Diversity Representative

July 2021 – May 2022

- Catered to various groups within the college such as LGBTQ+ individuals, non-traditional students, international students, and transfer students

ADDITIONAL INFORMATION

Awards: Howard University Opportunity Grant, NSBE/Cummins IPP Scholarship

Certifications: Caribbean Examination Council (CXC)- 10 CSEC and 10 CAPE Unit 1 and Unit 2 Examinations