

AJ OSBORN

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EDUCATION

New York University, Tandon School of Engineering – Brooklyn, NY

Bachelor of Science – Computer Science

Minor – Feminism & STEM

Current GPA – 3.441; Expected Graduation – May 2022

EXPERIENCE

New York University, General Engineering Department – August 2019 – Present

Teaching Assistant

- Oversee weekly labs, teaching new engineering concepts to first-year students and facilitating group discussions
- Supervise multiple groups' semester projects by setting goals and deadlines, while also assisting with design conceptualization, research, and development
- Achievement(s) – Most Positive Student Reviews (Fall Semester, 2019)

Ultra Electronics – June 2020 – April 2021

Intern for Director of Technology

- Successfully created 3D FEM model of a frigate hull propellers, shaft, and rudders
- Wrote “comi” scripts automating the creation of critical subsystems of a vessel, all of which could be scaled
- Communicated with senior personnel closely, adapting easily to changing schedules, field situations, and time/environment constraints

TECHNICAL SKILLS

Proficient in: Microsoft Office, Python, C++, Fusion 360, Autodesk Revit, Java, VF OPERA 3D Geometric Modeler, TOSCA Static Magnetic Solver

ORGANIZATIONS

Out in STEM – September 2018 – Present

Executive Positions – Co-President (2021 – Present), 2Programming Coordinator (2020-2021); Web Developer (2019-2020); First-Year Ambassador (2018-2019)

- Coordinate bi-weekly meetings with general body members, providing a safe and open environment for LGBTQ+ students
- Attend various club events to recruit new members

Vertically Integrated Project: Smart Cities – October 2019 – May 2021

Sub-Team – Sensors Team

- Collaborated with other members to develop progress reports/presentations each semester
- Corresponded with various companies to retrieve an air quality sensor, to ultimately reverse engineer and develop our own