#### **EDUCATION**

### Drexel University, Pennsylvania

Sep '16 - June '21

BS Computer Engineering. Minor in Japanese

Recipient of A.J Drexel Scholarship

Club Soccer player, NIRSA Division Champs

Relevant Coursework:

ECE204: Microcontrollers, CS265: Advanced Programming Techniques, MATH221: Discrete Math, ECE201: C Programming, ECE200: Digital Logic, CS270: Mathematical Foundations of Computer Science

# Woodstock School, India

August '14

Graduated with high honours. ACT w/ writing: 34/36

Varsity Soccer. AP Scholar with Distinction

#### RELEVANT EXPERIENCE

## Software engineering intern at Elyah.io, Tokyo

Nov '19 - Jan '20

- Worked with a team towards developing a quantum-computing backend that supports conventional quantum logical gates and algorithms. Done in Rust and WASM.
- Served as a translator/liaison between the start-up and multinational Japanese corporations. Regarding product-market fit, quantum hardware-software modalities etc.
- Wrote custom quantum gate logic in OpenQASM. Co-ord
- Wrote a quantum program parser using Pest.rs. Aided in co-ordinating the contract between the back and front-end

### R&D Intern at Johnson Matthey | Clean Air, Pennsylvania

Sep '18 - April '19

- Developed novel engine control catalysts via fundamental research and tailored synthesis methods.
- Analysed data from myriad testing methods (XRF, IV Vis etc.) to determine catalysis efficiency and feasibility in scaling. Worked extensively with Excel Macros.
- Collaborated with scientists from the Americas, EU, Japan and India on internal and external projects.

# Research Scholar at University of Sussex, UK

April '17 - Sep '17

- Studied perovskite solar cells, and how materials such as Zinc Oxide nanorods and graphene-oxide / graphene composites can be used to improve photoconversion efficiency.
- Researched methods of graphene synthesis and deposition that paved way for a novel perovskite solar cell architecture.

#### **SKILLS**

Languages: C, Rust, Python, MATLAB, LATEX, Arduino IDE, Processing.js Spoken Tongues: Native level fluency in Japanese, English and Hindi.