# **NYX HAILE**

65 Elm St. Apt. 1, Cambridge, MA, 02139

## **EDUCATION**

#### **MIT**

B.S. MATHEMATICS
B.S. COMPUTER SCIENCE AND ENGINEERING
MINOR: ECONOMICS
GPA: 3.3

### COURSEWORK

#### **GRADUATE**

Cryptography and Cryptanalysis

#### **UNDERGRADUATE**

Computer Systems Security Combinatorial Optimisation Math for Computer Science

# SKILLS

#### **TECHNICAL**

Python ×C++ ×Swift × JavasScript ×Cryptography ×Arduino ×HTML ×CSS ×React.js ×UNIX ×Bash ×LaTeX ×Mathematica

#### **LANGUAGES**

English [Fluent] × Spanish [Working] × Japanese [Beginner] × Portuguese [Beginner]

# EXTRACURRICULAR

Vice-President | RIOT@MIT Keyholder MIT Electronics Research Society MIT Radio Society Member | MIT Student Information Processing Board

# **AWARDS**

- × Elgin Foundation Mamba Mentality Scholar
- × UCLA Summer Math and Science Honors Scholar
- × Delta Sigma Theta Houlemard Family Commemorative Scholarship

# **EXPERIENCE**

# MENTOR | THE SHED, ENVIRONMENTAL HEALTH AND SAFETY DISCOVERY LAB

September 2023-Present | Cambridge, MA

- Mentor at interdisciplinary makerspace focused on advanced research
- Providing training to laboratory staff on how to use equipment.
- Developing research projects in biocomputing, human-computer interaction, and personal transportation.

### CONSULTANT DEVELOPER | VANA

December 2022 - July 2023 | Remote

- Organised the Vana X MIT Generative AI hackathon, with a \$25,000 prize pool.
- Developed and tested the framework given to students for the hackathon
- Developed messenger applet in Swift using the Vana API.
- Engineered prompts for sticker generation to maintain stylistic cohesion.

#### **DESIGN/DEVELOPMENT INTERN** | BLUEHOUR

December 2021 - April 2022 | Remote

- Created the frameworks for the bluehour system.
- Wrote smart contracts in Solidity to manage token burn/mint mechanics
- Analysed feedback from test runs to pivot towards ideal consumer-facing experience

#### UI/UX DESIGN INTERN | RIVET

March 2021 - June 2021 | Remote

- Worked on the UI team to implement site redesign.
- Designed features and graphics to comply with new theming, as well as wrap the site's analytics in a more modern design.
- Used Figma, Adobe Illustrator, and Premiere Pro to create mockups, graphics, and storyboards