A

Sam Acquaviva

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Massachusetts 01950

SUMMARY

MIT Class of 2023 Vice President with a 5.0 GPA, a 3-season MIT varsity athlete with UROP experience, and the Head of Technology at St. Paul's Episcopal Church with extensive programming experience in C, Python, and Swift.

SKILLS

- Leader and Communicator
- Firebase and Google Cloud experience
- Spanish (3 years) and Italian (1 year)
- Proficient in MATLAB, C, Python, Objective-C/Swift
- Familiar with HTML, CSS, Javascript

EMPLOYMENT

Head of Technology

St. Paul's Episcopal Church | Newburyport, MA | May 2018 to Current

- Completely redesigned the church's website
- Overhauled the website's backend and security
- Enabled secure online donations and service live streaming

Undergraduate Researcher of Lithium-Air Batteries

Electrochemical Energy Lab | Sep 2018 to Feb 2019

- Compiled list of effective halide-based redox mediators
- Built lithium-air batteries in different solutions and tested cell-component stability

EDUCATION

Massachusetts Institute of Technology

Computation And Cognition (6-9) | Class of 2023

- Candidate for BS in Computation and Cognition (Course 6-9)
- 5.0 GPA

Newburyport High School

Class of 2019

- Valedictorian
- Harvard Book Award Recipient

PERSONAL PROJECTS

Acquacchi Chess Engine — https://github.com/samacqua/Acquacchi

- Expands Alpha-Beta Search with more advanced algorithms
- Evaluates 1.5 million positions per second

Dare — https://github.com/samacqua/Dare

- Social media platform for iOS
- Revolves around completing challenges instead of posting updates
- Data stored through Google Cloud

EXTRACURRICULARS

- MIT Class of 2023 Vice President
- MIT Cross Country and Indoor/Outdoor Track & Field