

Education

Nipmuc Regional High School Class of 2017 GPA: 4.0

Northeastern University: BS in Computer Science, Class of 2021 GPA 3.93

Fundamentals I - A

Introduce students to the principles of systematic problem solving through programming and the basic rules of computation

Fundamentals II

Class-based program design and the design of abstractions that support the design of reusable software and libraries

Discrete Structures - A-

Introduces the mathematical structures and methods that form the foundation of computer science

Logic and Computation

Introduction to formal logic and its deep connections to computing

Work Experience

Technical Support Technician, MURSD

Removed, imaged and wiped old computers. Imaged, installed and managed new computers for 4 schools in district.

Copy and Print Associate, Staples

Performed variety of tasks: binding, laminating, printing, copying, cutting, designing, opening, closing and taking orders.

Related Experience

Paradigm Hyperloop Routes Co-Lead

Lead the development of a GPU implementation of CMA-ES for route optimization for Elon Musk's hyperloop concept.

School App Developer, MURSD

Developed an app for school district in collaboration with Technology Director. App utilized database.

School Newspaper Webmaster

Developed and managed website for school newspaper. Website included article posting and polls for students.

Skills

Proficient / Advanced

C, C++, Objective-C, Java, HTML, CSS, Unreal Engine 4 Blueprints, GLSL, OpenGL, OpenCL

Interface and Web Design, Photoshop, 3D game asset creation, French Language, Final Cut Pro X

Competent

Python, JavaScript, PHP, Lua, Swift

Projects

Yip - Apple Watch app, iTeachYou - iPad app, Donut Fighter - 2D iOS game and charity project, Fire Stat - collaborative on iPhone and iPad app, MURSD - iOS app designed for school district, 3D OpenGL game engine, Routes - OpenCL based route optimization

Awards

WWDC15 Student Scholarship, Apple

Competed against other students around the world for best technological achievement. One of 350 worldwide to receive scholarship.

Xerox Award for Innovation and Information Technology

Received award for high achievement in technology and exploring serious work in the field outside of school.

Activities

Temple Coalition Supper Volunteer

Served meals to underprivileged individuals. Washed dishes, cooked, took orders, plated food, served and bussed tables.

Searching for Sunshine

Organized community events, participated in community service such as working at a soup kitchen or organizing a prom for senior citizens.

STEM Scholar

Attended shadowing opportunities and explored STEM careers. Organized science fair for kids in school district.

Chess Club

Attended meetings and played against other students in friendly competition.