162 Marion Rd • Middleboro, 02346 • [adchin@umass.edu](mailto:adchin@umass.edu) • (774) 281-2911

# Education

**UNIVERSITY OF MASSACHUSETTS, AMHERST** Amherst, MA

Computer Engineering. Current GPA 3.9 2022 – Present

Math Minor

**MIDDLEBORO HIGH SCHOOL** Middleboro, MA

GPA: 3.9; High Honor Roll (all semesters); Honors Societies; Student Council 2018 - 2022

Project Lead the Way Engineering

# Classes

**PROJECT LEAD THE WAY ENGINEERING** Middleboro, MA

college level engineering course: A average every semester. 2018 - 2022

* Create technical CAD drawings of complex parts and assemblies from 3D solid models.
* Exhibit professional skills needed to successfully contribute to work in a team.

**QUANTUM COMPUTING, ONLINE BY QUIBIT X QUIBIT** Virtual

Quantum mechanics, quantum computation, quantum algorithms. 2021 - 2022

* Ran code on real quantum computers.
* Displayed proficiency in quantum computing techniques.

**ST- DESIGN PROJECT 1**

Machine level coding, working with real KIM 1, 6502 programming, bit banging.

* Programmed real KIM 1
* Hands on wiring experience

**IRADION LASER INC.**

# Experience

Virtual

**Temporary Worker** Feb 2020

Prototyped data acquisition using JSON and web API server.

* Coded a microcontroller to collect the voltages and temperatures of lasers through a server.

**CUSTOM KEYBOARD DESIGN** Middleboro

**Self Employed** 2021-Present

Designed and created custom keyboards.

* Soldered PCP with through hole and surface mount technology.
* 3D printing to create an aesthetically pleasing and practical product.

# Skills & Interests

**Technical:** Adobe Illustrator, Adobe Photoshop, C++, Google Workspace (Sheets, Docs, Slides,

Gmail), social media, Fusion 360, Autodesk Revit

**Interests:** Tinkering, Computers, Custom Keyboards, Technology