

ROSANA CHO

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A motivated, intrigued individual seeking experience and exploration into the computer engineering field to apply coding knowledge into a more practical application.

EDUCATION |

UNIVERSITY OF MASSACHUSETTS, AMHERST

BS IN COMPUTER ENGINEERING
SEPT 2020 - EXPECTED MAY 2024 | Amherst, MA.
→ Dean's List Honors Fall 2020

CANTON HIGH SCHOOL

DIPLOMA
SEPT 2016 - JUNE 2020 | Canton, MA
Cum. GPA: 3.79/ 4.0
→ National Honors Society | Tri-M Music Honors Society

EXPERIENCE |

PROGRAMMING PROJECTS

JAN 2021 - PRESENT

Python

- Given datasets to be sorted by necessary type
- Deciphered and analyzed numerical/categorical values for data comparison
- Used training datasets to estimate certain housing prices using linear regression and gradient descent

C

- Created GoFish card game utilizing structs, pointers, and linked lists

Unix Shell/Bash Scripting

- Given example resumes and specified keywords with weights, scripted a resume grader

EMBEDDED SYSTEMS PROJECTS

JAN 2022 - PRESENT

LEDs

- Worked with Arduino Uno and ATmega328P microchip in hand with LEDs with button inputs

Digital Thermometer

- Used TMP-36 temperature sensor with the ATmega328P microchip to read and ADC onto a 7-segment display

Other

- Created circuit on breadboard to read voltage input to convert and display temperature in Celsius or Fahrenheit with the push of a button

COURSEWORK | UMass Amherst

Hardware Organization & Digital Design | Security Engineering | Systems Programming | Intro to Computation (Discrete Math) | Circuits & Electronics | Probability & Statistics | Data Structures and Algorithms (Python) | Computational Tools (MATLAB/Excel)

SKILLS |

PROGRAMMING

Proficient: Python | C | MS Excel, Experienced: MATLAB | Javascript

LEADERSHIP |

- Track & Field Captain | Canton, MA
- Link Leader | Canton, MA
- Band & Orchestra Section Leader | Canton, MA

NOV 2019 - JUNE 2020
SEPT 2019 - JUNE 2020
SEPT 2018 - JUNE 2020

INTERESTS & EXTRACURRICULARS |

ROCK CLIMBING

JULY 2019 - PRESENT | Randolph, MA | UMass Climbing Team

- Faced with constant routes requiring flexible problem solving
- Relying, trusting, and cooperation with other individuals to ensure safety and success of finishing a route

PIANO | LONGBOARDING | HIKING | VOLLEYBALL