

# Max Correia

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Availability: May - December 2023

## EDUCATION

**Northeastern University**, Boston, MA  
**Khoury College of Computer Sciences**

Sep 2021 - Present  
Expected May 2025

Candidate for Bachelor of Science in Computer Science & Mathematics

GPA: 3.62/4.00, Dean's List/Honors

Related Courses: Artificial Intelligence, Algorithms & Data, Theory of Computation, Object-Oriented Design, Probability & Statistics, Discrete Structures, Engineering Design, Differential Equations, Linear Algebra

**Winthrop High School**, Winthrop, MA

Sep 2017 - June 2021

Honors: National Honor Society, Top 10% of class

Activities: FRC (FIRST Robotics Competition) Team, Science Olympiad, New England Mathematics League

## COMPUTER EXPERIENCE

Programming Languages: Java, Python, C, HTML, CSS, JavaScript, Common Lisp, Racket, ACL2s

IDEs: Eclipse, IntelliJ IDEA, Visual Studio Code

Systems: Linux (Ubuntu/Debian, Slackware), Windows, MacOS

Technologies: Git/Github, Bash, LaTeX, Jupyter Notebook, SolidWorks, Microsoft Office

## PROJECTS

### JEdit

May - June 2022

- Developed a GUI application in Java Swing to process and edit images in major file formats (PPM, PNG, BMP, JPG)
- Collaborated in a team through GitHub to meet project deadlines
- Implemented the agile software development cycle to incorporate various upgrades throughout the development process (multiple file type support, GUI accessibility)

### Cubespective

Sep - Dec 2021

- Engineered a STEM toy targeted to children ages 5-7
- Conducted research on the target age group to cater to their developmental needs
- Constructed SolidWorks CAD models for intermediary presentations
- Deployed the product in Northeastern's day care facility and gauged user reactions and interactions

### Crosswalk Assistant Prototype

Jan - Mar 2021

- Assisted in programming a Python script with OpenCV/NumPy that used machine vision to discern crosswalk buttons in various scenarios/pictures
- Drafted and revised a mock product presentation with FRC team members
- Presented a mock-up budget, schedule and prototype demonstration to a set of judges

## WORK EXPERIENCE

**21st Century Afterschool**, Winthrop, MA

July - Aug: 2019, 2021, 2022

*STEM Camp Counselor*

- Managed the Robotics and STEM divisions of the summer program
- Taught children from grades Pre-K to 5 about programming in Blockly using interactive robots
- Delivered technical concepts to a non-technical audience
- Organized and managed inventory for all Robotics kits and machines

**Larry Walsh**, Winthrop, MA

June - Aug 2020

*Contractor*

- Aided in various projects around the Winthrop area involving masonry, painting, siding and plastering
- Oversaw and maintained work sites throughout the summer (i.e. cleaning and renovating a newly sold apartment)

## INTERESTS

Cycling, Swimming, Golf, Cooking, Dieting, Magic: The Gathering