# Max Correia

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## EDUCATION

**Northeastern University**, Boston, MA — Sep 2021 - Present
**Khoury College of Computer Sciences** — Expected May 2024
Candidate for Bachelor of Science in Computer Science & Mathematics
*GPA: 3.62/4.00*, Dean's List
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

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| 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

**Simmons University**, Boston, MA — May 2023 - Current
*Technology Assistant Co-op*
- Assisted faculty, staff and students to meet their technological needs
- Navigated customers through tech calls to reach personalized solutions using ITIL practices
- Tracked and followed up on software and hardware issues through ServiceNow

**21st Century Afterschool**, Winthrop, MA — July - Aug: 2019, 2021, 2022
*STEM Camp Counselor*
- Coordinated 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

## INTERESTS

Cycling, Swimming, Golf, Meal prep, Magic: The Gathering