

Matthew Lee

CONTACT Phone: (617) 964-2189 Email: matthewchlee02@gmail.com
INFORMATION GitHub: <http://github.com/mchl02>

EDUCATION **Newton South High School**, Newton, MA
Relevant coursework in Java programming, Data analysis with python, and Introduction to Data Science.

RELEVANT PROJECTS **Custom visualization interface suite for medical images**,
Created a lightweight custom plotting interface using the plotly api. 3D tiff stacks or 2D tiff slices can be visualized through scatterplots. Currently working on implementing a modular intensity feature so more important data points can be emphasized.

Exploratory analysis on simulated electron microscopy data,
Using sample data collected off of '<http://ric.uthscsa.edu/mango/download.html>', conducted basic exploratory analysis using Python and ITKSnap.

Markdown Github Schedule,
Created a custom markdown format for schedules. Best utilized by Github issues as it converts a simple issue page into a powerful day planner with precise deliverables.

Personal website,
Created a personal website using html, css, and javascript. Bootstrap was used as the framework and emphasis was placed on utility and design aspects.

EXTRA-CURRICULAR ACTIVITIES **Newton South Speech Team**, Newton, MA
Varsity Member **Sep 2016 – Now**
Competes in the varsity speech and debate circuit. Responsible for memorizing current events and statistics, and creating impromptu seven minute speeches at competitions regarding randomly drawn topics.

Newton South Science Team, Newton, MA
Build Team Member **Sep 2016 – Now**
Responsible for competing in building events. Events range from simple robotics to civil engineering projects to mechanical design vehicles

TECHNICAL SKILLS *Languages:* Python, Java, HTML/CSS, LaTeX
Programs: Docker, Android Studio, Amazon AWS, Jupyter, Plotly
Utility: Linux systems, Microsoft Word, Microsoft Powerpoint, Microsoft Excel
Hardware: 3D printing, Arduino, Raspberry Pi