

# Matthew Lee

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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**, Baltimore, MD  
*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