PETER GRAMAGLIA

(301) 525-5334 | Peter.Gramaglia@Tufts.edu
Somerville, MA | https://petergramaglia.github.io/

EDUCATION

Tufts University, Medford, MA   May 2021
BS in Computer Science in the School of Engineering (anticipated)
GPA: 3.66/4.00, Dean's List every semester

Relevant Coursework: Machine Learning, Algorithms, Linear Algebra, Machine Structure & Programming, Data Structures, Web Programming, Cybersecurity and Cyberwar, Introduction to Digital Logic Circuits, Discrete Mathematics, Introduction to Computing in Engineering, Introduction to Electrical Systems, Calculus 1-3

University of New South Wales, Sydney, Australia   Spring 2020
Relevant coursework: Artificial Intelligence, Theory of Computation

PROFESSIONAL EXPERIENCE

Tufts Code for Good, *Project Lead*   June 2020 - Pres.
- Lead a team of three undergraduates to build a web app to tag PDFs with metadata necessary for screen readers.
- Interfaced with client and mentor to evaluate needs, develop plan, and choose framework.

Tufts University, *Teaching Assistant*   Sept 2019 - Dec 2019.
- Held office hours and graded student work for Introduction to Web Programming.

MIT Lincoln Laboratory, *Software Engineering Intern*   May-Aug 2019
- Researched, designed, wrote, debugged, and documented radar and jammer simulation in MATLAB as part of a five-person intern team.
- Summarized and communicated weekly progress at meetings with superiors.
- Presented end-of-summer conclusion to division head Bob Shin and group personnel.

Raytheon Company, *Program Office Intern*   June-Aug 2018
- Managed supply chain logistics to ensure delivery of critical program components.
- Read and wrote proposals and statements of work for various engineering projects.

Tufts University Dep't of Biomedical Engineering, *Summer Research Intern*   June-Aug 2017
- Supported research of Professor David L. Kaplan in the field of tissue engineering.
- Collaborated with post-doctoral scholars to study silk biomaterials and collagen gels.

PROJECTS

Connect Journaling, *Engineer*   July 2020 - Aug 2020
- Developed ideas and algorithms for early-stage NLP project.
- Compiled and processed data, researched and built LSTM neural network to develop flexible sentiment analysis model.

MIT Lincoln Laboratory, *Wearable Anti-Drowning Device (WANDA)*   July 2019 - Pres.
- Collaborated with team and mentors during Intern Innovative Idea Challenge to create, research, and propose altruistic engineering idea, selected to present at Poster Challenge.

Sublet Genius, *Co-Founder*   March 2019 - Pres.
- Built college student housing web app with team using Express.js and MongoDB.

SKILLS

Programming Languages: Python, C++, C, Matlab, Prolog, HTML, CSS, Javascript, Ruby
Software: Git, Ruby on Rails, Unix, Jupyter, TensorFlow, Keras, scikit-learn, Microsoft Office Suite

ADDITIONAL EXPERIENCE and LEADERSHIP

Tufts Consulting Collective, *Project Manager*   Sept 2019 - Pres.
- Corresponded and coordinated with client, managed six student analysts.

ATO of Massachusetts, *Executive Board, Inter-Greek Council Rep*   Sept 2018 - Pres.
Tufts University Admissions, *Tour Guide and Social Chair*   March 2018 - Pres.
Tufts Club Spikeball, *Co-founder and President*   Sept 2019 - Pres.
Tufts Wilderness Orientation, *Leader*   March 2018 - Pres.