

EXPERIENCE

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| Arrowstreet Capital <i>Quantitative Developer</i> <ul style="list-style-type: none">Developing software that supports the investment research production process | Jan 2023 - Present <i>Boston, MA</i> |
| Meta <i>Software Engineer</i> <ul style="list-style-type: none">Contributed to 5+ full-stack projects that improved internal workflows and user experiences.Designed and implemented a user interface for an ML document-processing service as a Hackathon project. | Sep 2022 - Nov 2022 <i>Boston, MA</i> |
| Muninn <i>Cybersecurity Intern</i> <ul style="list-style-type: none">Wrote scripts to analyze network traffic, detect malicious behavior, and alert users of potential threats.Developed metrics to improve the fit of an anomaly detection model while maintaining generalizability. | Summer 2022 <i>Copenhagen, Denmark</i> |
| Facebook <i>Software Engineering Intern</i> <ul style="list-style-type: none">Integrated a tagging feature into an internal tool for curating and uploading news content.Designed full-stack software feature specifications while working with team members and cross-functional stakeholders. | Summer 2021 <i>Menlo Park, CA</i> |
| MathWorks <i>Engineering Development Group Intern</i> <ul style="list-style-type: none">Developed full-stack customer-facing web applications; pushed code to production for over 1,000 users per day.Drafted thorough documentation for testing plans, requirements, use cases, and functional/architectural design. | Summer 2020 <i>Remote</i> |
| Universidad Politécnica de Madrid <i>Data Science Research Assistant</i> <ul style="list-style-type: none">Constructed models around cleaned datasets; compared effectiveness and accuracy of each model.Evaluated correlational coefficients between properties such as connectivity, transitivity, and reciprocity. | Summer 2019 <i>Madrid, Spain</i> |

SKILLS

Languages: Python, Java, PHP, C++, JavaScript, MATLAB, Julia, R, Stata
Frameworks: React, Vue, Node, Express, Flask, MySQL, MongoDB, TensorFlow, Keras, Scikit Learn, Pytorch
Tools: Git, Docker, Kubernetes, Visual Studio Code, Eclipse, IntelliJ

PROJECTS

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| Interface for ML Interpretability <i>React, NLPaug, TensorFlow, sklearn, keras</i> <ul style="list-style-type: none">Created a user interface for users to build NLP models, define training and test sets, and visualize the results. | Sep 2021 – May 2022 |
| Stance <i>Vue, Express, Node</i> <ul style="list-style-type: none">Developed a web application for political candidates to communicate with voters about relevant issues. | Nov 2021 – Dec 2021 |
| Interlock for Self-Driving Cars <i>Python, numpy, open3d, skimage, ffmpeg, CARLA</i> <ul style="list-style-type: none">Devised a path prediction algorithm to determine if an autonomous vehicle will collide with any objects in its path. | Sep 2020 – May 2021 |
| G Suite Dashboard <i>JavaScript, Google AppScript</i> <ul style="list-style-type: none">Consulted with a local educational non-profit to identify their needs and design and deploy an effective solution.Built an application to automate reminder emails, reducing the time needed by volunteers by 95%. | Jan 2021 |
| Tempo <i>C++, Python, SQLite, Arduino</i> <ul style="list-style-type: none">Created a fitness device that plays a song to a user's device based on their running speed and music preferences .Implemented the back end to read step frequency and make HTTP requests to Spotify's REST API. | Mar 2020 – May 2020 |
| Artificial Synapses for Neuromorphic Arrays <i>MATLAB, Python, TensorFlow</i> <ul style="list-style-type: none">Developed a neural network to predict and extend machine lifetime. | Feb 2019 – May 2019 |

LEADERSHIP

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| MIT Women's Varsity Volleyball <i>CoSIDA Academic All-America, AVCA All-America, NEWMAC Conference Tournament MVP</i> | Aug 2018 – Nov 2021 |
| VP of New Member Education for Phi Sigma Rho Sorority <i>Scheduled and led new member education sessions for sorority candidates</i> | Feb 2021 – Apr 2022 |
| Tutor for HKN Honor Society <i>Tutored students in 6.034 (AI), 6.036 (ML), 6.046 (Algorithms), and 6.0001 (Intro to CS in Python)</i> | Sep 2020 – May 2021 |
| MIT Committee on Curricula <i>Discussed and voted on proposals to create or revise undergraduate subjects and programs</i> | Sep 2020 – May 2021 |
| MIT IEEE Exec Board Officer <i>Faculty-Student Chair: Coordinated an undergrad research symposium and social events between faculty and students Secretary: Took organized minutes at all meetings, followed up on relevant action items, assisted with managing budget</i> | Sep 2019 – May 2021 |

EDUCATION

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| Massachusetts Institute of Technology <i>B.Sc., Double major in Computer Science and Mathematical Economics, GPA: 4.8 / 5.0</i> | Cambridge, MA <i>Graduated 2022</i> |
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