WESLEY Y. TIAN

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EDUCATION

University of Michigan — Ann Arbor, MI
Bachelor of Science in Computer Science and Data Science; GPA: 3.51/4.00 — *Sep. 2017 – Present*
Coursework: Applied Regression Analysis, Sound Patterns, Mind & Machines

University of Massachusetts, Amherst — Amherst, MA
Bachelor of Science in Computer Science and Mathematics; GPA: 3.76/4.00 — *Sep. 2015 – May 2017*
Coursework: Artificial Intelligence, Game Theory, Reasoning Under Uncertainty,
Computer Systems Principles, Introduction to Computation, Programming Methodology

Coursera.org/ DataCamp.com — Online
Courses: Machine Learning, Intro to Python for Data Science — *May 2017–Present*

EXPERIENCE

University of Michigan — Ann Arbor, MI
Research Assistant – Machine Learning for Data-Driven Decisions Research Group — *Sep. 2017–Present*
- Collaborating with clinicians to develop a predictive data-driven model to improve patient outcomes.
- Analyzing time-series data feature representations and machine learning models to improve AUC scores.
- Writing paper for *American Medical Informatics Association (AMIA) 2018 Clinical Informatics Conference.*

Fidelity Investments Inc. — Merrimack, NH
Software Engineering Intern – NetBenefits Web App Team — *May 2017–Aug. 2017*
- Developed a database query web application tool in Angular and Java to improve overall team efficiency.
- Contributed to during daily scrum meetings by providing insights from a unique perspective.

Rayshobby LLC — Amherst, MA
IoT Development Intern — *May 2016–May 2017*
- Soldered components and designed IoT device circuit boards using EAGLE to produce new gadgets.
- Flashed, tested, and debugged embedded circuits programmed in C++ with efficiency and attention to detail.

PROJECTS

ImageNet Replication Project (Michigan Data Science Team) — *Jan. 2018–Present*
- Leading team to replicate results of the *Deep Residual Learning for Image Recognition* paper in TensorFlow.

Rock-Paper-Scissors AI (Coursework) — *May. 2017*
- Built AI in Python that predict's next player's moves using the Naive Bayes Algorithm.

Thermostat++ (Personal) — *Aug. 2016–May. 2017*
- Invented smart home gadget using Arduino components to wirelessly regulate and monitor room temp.
- Programmed web app to allow scheduling and setting of temps at adjustable intervals through the gadget.

AWARDS

3rd Place, ASSISTments Data Mining Challenge 2017 (Michigan Data Science Team) — *Dec. 2017*
- Invited to submit paper to *International Conference on Educational Data Mining* in Buffalo, NY.

1st Place, Fidelity Investments Merrimack Hackathon 2017 (Team) — *Jul. 2017*

Most Creative Use of Indico.io API, HampHack 2017 (Team) — *Apr. 2017*
- Implemented Indico's image recognition API in a web app to filter clothes online by users' visual preferences.

SKILLS

Programming Languages: Java, C/C++, Python R, Bash, Scala, TypeScript
Software: Angular, LaTeX, scikit-learn, TensorFlow
Other: Git, AWS, Mandarin Chinese