

Forrest Wargo

[Website](http://www.fwargo@u.rochester.edu) • fwargo@u.rochester.edu • [LinkedIn](#) • [Bitbucket](#)

EDUCATION

University of Rochester

Bachelor of Science in Computer Science

- GPA: 3.85
- Dean's List Fall 2020

Rochester, New York

June 2022

Ithaca College

Bachelor of Science in Computer Science

- Minor in Mathematics
- GPA: 3.9
- Study Abroad at the University of Sydney Spring 2020
- Dean's List (Fall 2018, Spring 2019, Fall 2019)

Ithaca, New York

August 2018- June 2020

Teaching and Mentoring Experience

Juni Learning

Computer Science Tutor

- Individual and group tutoring in Java, JavaScript, Python, and Scratch.
- Students range from 7-17. Topics include introduction to conditionals, functions, loops, web design, python packages, and AP CS test prep.

New York, New York

October 2020

Upper West Side Kenshikai Karate

Assistant Karate Teacher

- Assisted Kyoshi (head of school) in teaching karate to kids ages 4-12 in after-school programs and summer camps (class size 3-15)
- Planned activities, ran games and exercises, and helped create and maintain a safe and fun environment

New York, New York

September 2014 – July 2018

Brooklyn Apple Academy

Magic: The Gathering Mentor

- Mentored a weekly group of 4-10 middle school students in the strategy of the card game Magic: The Gathering
- Created a safe, comfortable and fun environment, in which students could learn and explore their interests together

New York, New York

September 2017 – June 2018

Hospitality and Service

Whole Foods Market Chelsea

Allegro Café Team Member/Barista

- Collaborated with coworkers to provide consistent customer service under high volume conditions
- Learned to create specialty drinks and how to maintain working environment

New York, New York

July 2019 – August 2019

Bowery Residents' Committee (BRC)

Volunteer

- Help Food Service staff prepare and serve food, wash dishes, restock inventory, and deliver food to other locations

New York, New York

June 2015 – Present

Selected Projects and Courses

Building and converting Automata – Class Project: Created Data Structures in C to represent and run Deterministic and non-deterministic Finite Automata, and functionality to convert nondeterministic to deterministic Automata. Learned how to create and run programs in C, manage memory, and debug with Valgrind, and GDB.

Personal Website: Created a personal website to showcase old and future projects. I used the Flask framework to create a python backend hosted on Amazon Web Services, with a Java script front end. I Learned a lot about full stack web development, including cloud hosting, domain management, frontend - backend communication, and CSS, HTML design. Recently I have updated the site by replacing the flask backend with a Node.js backend hosted on Heroku.

Courses

Functional Programming in Python, Object Oriented Programming in Java, Machine Learning in Python, Data Structures in C++, Algorithm Design, Computer Organization in C and x86 assembly, and Theory of Computation in C.

Multivariable Calculus, Linear Algebra, Discrete Structures for CS, Probability & Estimation, Computational Theory of Perception & Cognition.

Microeconomics, Macroeconomics, Money & Banking, Philosophy of AI, Visual Communication.

CAMPUS LEADERSHIP ACTIVITIES

University of Rochester, Developer Student Club (DSC) <i>Tech Team – Workshop Facilitator</i>	Rochester, New York <i>September 2020</i>
---------------------------------------------------------------------------------------------------------	-----------------------------------------------------

- DSC hosts weekly virtual workshops to help Rochester students prepare for internships and careers in software development. This fall we debuted with a 4-week introduction to mobile app development in Flutter
- As a Workshop Facilitator I work closely with the curriculum design team to create fun and engaging material that I introduce to university of Rochester students in our weekly workshops.

Ithaca College, Computer Science Club <i>Founder</i>	Ithaca, New York <i>September 2019 – December 2019</i>
----------------------------------------------------------------	------------------------------------------------------------------

- Founded to help foster a stronger community among computer science students and provide an environment to work together, building projects and becoming stronger computer scientists.
- Organized meetings, coordinated logistics with Professors, ran club meetings.

SKILLS

- **Languages:** Python, Java, C, C++, JavaScript, x86 assembly, Lisp, Dart, HTML, CSS, R, LaTeX, Scratch.
- **Miscellaneous Technologies:** Git, AWS, Node, Flask, GDB, Valgrind, SQL, Vim, Emacs, JetBrains IDEs, Heroku, Unity, Microsoft Office, Adobe Creative Cloud.