Elijah Tamarchenko

845-428-1407 | elijahtamarchenko@gmail.com | github.com/etchenko | linkedin.com/in/etchenko

Education

Williams College   Sep 2019 - May 2023
B.A. Computer Science & Statistics - GPA: 3.84
- CS Courses: Data Structures & Advanced Programming **(Java)**, Computer Organization **(C).**
- Math Courses: Introduction to Statistical Modeling **(R)**, Linear Algebra, Regression Theory and Applications **(R, JMP)**.
- Recipient of the V-Nee Yeh 1981 Scholarship honoring strong academic success.

Experience

Frontend Software Engineering Intern | *Williams Students Online (WSO)*   May 2020 – Present
React, Typescript, Elastic UI, Git
- Integrated into the Frontend Team in charge of developing revamped college website used by 2000+ students every year.
- Full ownership of software development lifecycle for the FacTrak feature, a Yelp style review page for classes and professors.

Research Assistant | *Williams College Psychology Department*   Sep 2019 – Sept 2020
Swift, XCode
- Worked with Professor Congdon to develop and launch iOS application from scratch to conduct psychological studies in an efficient manner. Required self-taught knowledge in Swift, Google APIs and RESTful APIs.
- Launched lab website in WordPress to expand outreach, increasing participant sign ups by 100%.
- Helped design and create a project to study the impact of gesture use on spatial working memory in children.

Computer Science Teaching Assistant | *Williams College*   Aug 2020 – Present
Java, Git
- Led T.A. sessions for *Data Structures in Java* course reinforcing topics like searching/sorting algorithms, hash tables, and graphs.
- Graded labs, homeworks, quizzes, midterms, and final exams.

IT Intern | *Institute for Family Health*   May 2017 – Sep 2017
- Assisted medical staff in onboarding with state-of-the-art Epic Systems medical software.
- Acted as a technical specialist in ad-hoc hardware issues for non-tech savvy coworkers.

Chess Instructor | *Elting Memorial Library*   Sep 2016 – June 2019
- Gave weekly chess lessons to 10 children (aged 6-14), ranging from fundamental skills to advanced chess match analysis.

Projects

Team Website (Men's Ultimate Frisbee)   August 2020 – Present
HTML/CSS, jQuery
- Designed, developed, and launched organization website using HTML & CSS to facilitate recruitment of future members during coronavirus pandemic and increase online presence.

Conway's Game of Life   May 2020
Python
- Created Conway's Game of Life simulation as a terminal application with a built-in selection of initial states, adjustable initial cell density, as well as adjustable simulation speed & duration.