ESZTER MORVAY

Passionate programmer & researcher studying Computer Science

@ morvay@usc.edu   ✆ 646-522-5259   ✉ 1430 W 37th St, 90018   ⚲ Los Angeles, CA

SKILLS

Computer Skills   Python, Java, C++, Excel, Git, SQL, Jupyter, Web Scraping, Sony Vegas Pro
General   Automation, Organization, Teamwork, Problem Solving, Piano, Chess

EXPERIENCE

AllianceBernstein
Software Engineering Intern

📅 Feb 2021 - Aug 2021   ⚲ New York, NY (Remote)

- Programmed software package to detect changes to websites within minutes of being updated and email executives neat summary table of changes
- Recreated and customized imitation of expensive Plotly Dash enterprise software features with otherwise 5-figure cost
- Developed code to dynamically generate tree-structured graph visualizations of portfolios marketed to clients
- Automated GitHub procedures for various programs

USC ITP-216: Applied Python
Teaching Assistant

📅 Sep 2021 — present   ⚲ Los Angeles, CA

- Hold weekly office hours to help students understand class material and debug homework on topics including data visualization, web development, and machine learning
- Create pytests for programming assignments and answer asynchronous student questions on discussion board

Center for Undergraduate Research in Viterbi Engineering
Researcher - Cyber Physical Systems Group

📅 Jan 2020 — present   ⚲ Los Angeles, California (Remote)

- Create complex networks out of emerging COVID-19 variant mutation data using NetworkX
- Apply advanced network analysis techniques on complex networks to identify and predict critical COVID-19 mutations
- Maintain a Jupyter Notebook to organize code and data

National Museum of Mathematics
Integrator, Interpreter

📅 Jun 2019 - Mar 2020   ⚲ New York, NY

- Explained high level mathematical exhibits to hundreds of daily museum visitors
- Maintained exhibit hardware; troubleshot software and technical issues
- Assisted in coordinating educational events and workshops

EDUCATION

B.S. - University of Southern California
Viterbi School of Engineering

📅 Aug 2020 – Present (Expected May 2024)

- GPA: 3.85 (Overall), 4.0 (Major); Dean's List

Hunter College High School

📅 2016 - 2020

- American Computer Science League, FIRST Robotics, Hunter Hackers, Debate Team

ACHIEVEMENTS

- USC Presidential Scholar
- Allsup Research Scholar
- National Merit Scholar
- Woman Candidate Master (International Chess Federation title)
- Modeling the Future Finalist

VOLUNTEER WORK

American Society for the Prevention of Cruelty to Animals
Student Volunteer

📅 Jun 2018 - Jan 2019   ⚲ New York, NY

- Performed administrative tasks and prepared materials for animal adoption
- Trained cats to be comfortable socializing with humans

New York City Urban Debate League
Summer Leader

📅 Jul 2019   ⚲ New York, NY

- Taught a class of middle schoolers competitive debate at a 2-week summer debate camp
- Led drills and workshops to hone speech and debate skills
- Inspired shy children to be comfortable speaking and defending their viewpoints in front of large groups of people