Mason Choi

Contact

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Objective

I am a passionate and driven student who has been working professionally as a data engineer developing code in the finance industry. I also work on many of my own software projects and businesses, pursue higher education, and fence at the highest national level. I seek to further my education, build community, and make a positive impact in this world through your institution.

Education

Boston Latin School
GPA: 4.3 of 4.3
SAT: 1550 - 760 Verbal
790 Math

Varsity Fencing Team
Computer Science Club
Model United Nations
Recycling Club

Work Experience

September 2022 – Present
Junior Data Engineer • Solve Advisors Inc.

March 2022 – September 2022
Developer/Analyst • Solve Advisors Inc.

September 2021 – March 2022
Junior Data Engineer • Advantage Data Inc. + Best Credit Management Inc.

I have developed data pipelines following the Extract Transform Load paradigm for two separate fixed income market tech companies. I played a major role in building data collection/manipulation tools and collaborated heavily with members across various teams on our industry revolutionizing products.

Key Skills

Leadership
Effective Communication
Problem Solving
Flexibility

Languages:
English – Native
Chinese – Proficient
Latin – Proficient
Korean - Elementary

Extracurriculars

Fencing, Individual – I currently rank 36th in the country and 1st regionally in U17 Men's Epee, and 5th regionally U19. I expect to compete internationally on the U.S. World Team this season. I train extensively six days a week and travel across nationwide to competitions multiple times per month.

Fencing, Team – I have brought the BLS varsity fencing team to the state championships every year and qualified for Varsity Leadership since 7th grade. I hope to lead our team to victory this season!

Community Service – Through volunteering with the Homeless Outreach Ministry and Engagement (H.O.M.E.) team as one of the longest serving and youngest members, I have helped to feed and engage with the homeless people of Boston. I have accumulated over 80 confirmed hours of community service in varying fields and have earned multiple national awards, but this is just the beginning.

Computer Science and Entrepreneurship – In my free time I enjoy working on personal projects. Most notably, I founded popular Software as a Service (SaaS) product Filess (https://filess.org) that overcomes file size sharing limitations in the cloud with highly customizable tagged links. I was recently invited to collaborate with fencing celebrity Cyrus of Chaos to bring Fantasy Football to fencing.

Technology Stack

Fluent languages: Python, Java, HTML/CSS, SQL

Libraries: TensorFlow, Pandas, NumPy, Matplotlib

Frameworks: React, Flask, Django, React Native

Tools: AWS, MS/G suite, Git, Docker, Hadoop, Spark

Notable Academic Achievement

Principles of Big Data Processing (CSCI E-88, graduate) • Harvard Extension School • Projected Final Grade: 100% • Credits: 4

Statistics 111 • University of Massachusetts Amherst • Final Grade: 98.80% • Credits: 4

Computer Science 121 • University of Massachusetts Amherst • Final Grade: 100.00% • Credits: 4

Calculus I • University of Pittsburgh • Final Grade: 99.00% • Credits: 3

Awarded Python, AWS, Machine Learning, and Git LinkedIn Skill Assessment certificates

Awarded Approbation with Distinction every term for averaging above A- in every class (2019-2022)

National Latin Exam Summa Cum Laude Gold (2019-2021)

United States of America Computational Olympiad Silver rank (2022)

Links

Personal Website:
https://masonchoi.net