Andrew Zheng

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I am seeking an internship for summer of 2023 to gain experience in analytics and data science. I hope to find an opportunity that will further my skills and have real world applications.

EDUCATION

University of Maryland | College Park, MD Jan 2021 – Expected: May 2024
B.S. in Computer Science and Mathematics

SKILL HIGHLIGHTS

Programming Languages: Python, Java
Python Packages: Pandas, Scikit-learn, Pytorch
Math Skills: Differential Equations, Statistics, Linear Algebra
Computer: Object-Oriented Programming, Windows, Linux

PROJECTS

Giveaway Automation | *Webscraping, Python, Personal Project* April 2021
- Used python package BeautifulSoup to scrape contestants from forum website and enter them into database for automatic winner selection

Binning Techniques for Solar Wind and Geomagnetic Data | *Machine Learning, Poster Presentation* Dec 2018
- Presented a poster during the AGU conference held on December 12th, 2018 in Washington, D.C. titled "SM31D-3525 Effects of Data Binning Techniques on Results of Analyzing Solar Wind and Geomagnetic Indices Data"
- https://agu.confex.com/agu/fm18/meetingapp.cgi/Paper/396419

COURSEWORK

Completed: Number Theory (MATH406), Differential Equations (MATH246), Calculus III (MATH241), Introduction to Linear Algebra (MATH240), Algorithms (CMSC351), Programming Languages (CMSC330), Introduction to Computer Systems (CMSC216), Object-Oriented Programming II (CMSC132), Applied Probability and Statistics I (STAT400)
In Progress: Complex Analysis (MATH463), Abstract Algebra (MATH403), Special Topics in Computer Science; Quantum Boot Camp (CMSC488A)

EXPERIENCE

Kumon Math and Reading Center of Clarksville | Clarksville, MD Jun 2020 – August 2021
Kumon Math and Reading Tutor
- Taught up to Advanced English Literature, Taught high level math up to Calculus II

NASA Goddard Space Flight Center | Greenbelt, Maryland Jun 2018 – May 2020
Data Analysis Internship
- Awards: National Space Club Scholars and STEM ARE
- Worked with large datasets to find correlations between solar wind parameters
- Utilized skills in Python, data analysis, and verbal communication

Catonsville Community College | Catonsville, MD Jun 2016 - Sep 2016
Howard County Chinese School Teacher
- Taught young children chess openings, middlegames, endgames, and bughouse

EXTRACURRICULARS

Chess | *Life Master* 2007 – Present
- Scholastic Maryland State Champion | 2014 – 2017, 2020
- Maryland Sweet 16 Champion | 2012

Ice Hockey 2009 – Present
- Maryland Student Hockey League (MSHL) scholarship | 2020
- Last Team: Washington Little Caps AAA U18 | 2019 – 2020
- Howard County All-Star 2016-2020, MSHL all-state | 2018 – 2020