Xing Tao Shi

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EDUCATION

Macaulay Honors College at Hunter College, NYC

Bachelor of Arts in Computer Science, Expected Graduation Date: May 2021

Major: Computer Science   GPA: 4.0

- **Relevant Coursework**: Data Structures and Algorithms (Spring 2019), Discrete Structures (Spring 2019), Software Analysis and Design (C++), Matrix Algebra

Stuyvesant High School, NYC   AVG: 92.5

SKILLS

Proficient: Python, C++, HTML, CSS, Java, Microsoft Office

Intermediate: C, Flask, SQL, MongoDB, and D3, Scheme, NetLogo

EXPERIENCE

Computer Science Tutor, Rego Park, NY   Sept 2018 – Present

- Taught concepts such as Booleans, recursion, loops, pointers, and discrete mathematics
- Successfully analyzed and debugged students' code in order to provide feedback
- Assisted on homework assignments in various languages such as Python, Scala, and C++

***Office Assistant*, Exit Kingdom Realty**, Rego Park, NY   Summers 2017, 2018

- Created approximately 300 professional, aesthetically pleasing blogposts showcasing real estate transactions made in the company's previous year
- Crafted and displayed beautiful fliers to advertise current offers in the market
- Provided assistance to coworkers regarding technology and web design
- Advertised listings on sites such as Trulia, Zillow, and Craigslist
- Processed data from approximately 500 of business cards, and inputted data into spreadsheets

***Tutor*, Little Sweet Angels**, Flushing, NY   Summer 2015

- Taught topics such as long division and multiplication to 30+ students on a daily basis
- Assisted students on homework problems in various topics such as English and Mathematics

***Tutor*, Key Club**, Stuyvesant High School   Sept 2016 – Mar 2017

- Crafted customized lesson plans for elementary and middle school math students; topics ranged from single digit addition to multiple digit division
- Provided assistance to struggling students using both visual and conceptual material

PROJECTS

Graphics Engine – *Python*   January 2018 – June 2018

- Created a rendering engine, for class, which processes .obj files in order to display shapes, curves and select 3D objects via .png or .gif files.
- Mimics realistic images through the use of back-face culling and Z-buffering

Clover – *Python, JavaScript (D3), SQL, HTML (Bootstrap)*   May 2018 – June 2018

- Built a personal financial web app, for class, that allows users to record, track, and visualize expenses and cash flows
- Worked on JavaScript back-end to process data and create visualizations of data
- Utilizes Alpha Vantage API in order to retrieve stock prices

LANGUAGES: Fujinese (conversational)

COLLEGE ACTIVITIES: MHC++ Computer Science Club