

JOSHUA SZE

Seeking a software engineer internship

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EDUCATION

Rutgers University, New Brunswick, NJ (3.4)
B.S. in Computer Science, May 2023

September 2019 - present

Projects/programs developed

- Level 1 and level 2 hardware cache simulator
- Decimal to IEEE-FP (with rounding) and canonical binary converter
- Depth-first search, breadth-first search, and several graphs programmed using C
- Evaluator that calculates the determinant given a square matrix
- Magic square program where an numeral input would create a square matrix where all values in all columns and all rows equal to the same value
- Stack and queue with commands programmed in C
- Polynomial evaluator using linked lists in Java
- Personal website done in HTML/CSS

Coursework

Computer Architecture
Linear Optimization
Calculus I-II
Microeconomics

Discrete Mathematics
Data Structures
Linear Algebra

EXPERIENCE

Rutgers University Computer Science Department, New Brunswick, NJ - *Teaching Assistant*

January 2019 - May 2019

- Graded programming assignments and exams
- Proctored exams

SKILLS

Programming

Java, C, HTML5/CSS,
Python

Software

MS Office

Languages

Mandarin

AWARDS

National Honors Society

National Art Honor Society

ACTIVITIES

Short-term missionary in
South Dakota (2015)

Student leader for youth
group of Overseas
Chinese Mission
(2017-2019)

CLUBS

Undergraduate
Association of Computer
Scientists (USACS)