

Jonathan E. Chao

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Education

Rutgers University School of Arts and Sciences – Computer Science *September 2016 – May 2019 (Expected)*
Coursework

- Intro to Computer Science, Data Structures, Computer Architecture, Intro to Discrete Structures I, Intro to Discrete Structures II, Systems Programming, Principles of Programming Languages, Design and Analysis of Computer Algorithms, Intro to Artificial Intelligence

Rutgers University Mason Gross School of the Arts – Music Education *September 2015-May 2016*

Academy for Visual and Performing Arts – Music Concentration *September 2011-2015*
Bergen County Academies Hackensack, NJ

Manhattan School of Music – Precollege Division *September 2011-2015*
Tuba Concentration Manhattan, NY

Experience

SDE Intern *May 2018 – August 2018*
Amazon, AWS S3 Seattle, WA

- Designed and implemented a service to decrease latency for different S3 services using Java and JUnit
- Directly integrated this feature in the S3 request path, a service that currently stores trillions of objects and regularly services up to a million requests per second.
- Utilized multi-threaded programming to reduce latency on reading large amounts of data at a time
- Presented the final project to my manager, senior manager, and the director of S3

Summer School Teacher *July 2017 – August 2017*
One Academy Norwood, NJ

- Taught elementary level math, reading and writing to small class of students

Asian Young Life Student Staff *January 2016 – February 2017*
Non-profit Organization

- Assisted in organizing community service events, social events and weekend/weeklong trips

Music Therapy Internship *September 2014 – June 2015*
Felician School for Exceptional Children Lodi, NJ

Personal Projects

Personal Site *January 2017 – Present*
• Used HTML, CSS, and JavaScript to build a site containing further resume details

Rehearse with Friends (*rehearsewithfriends.herokuapp.com*) *January 2017*
• Web-application to encourage group rehearsals made using Python, Flask, MongoDB, Heroku
• Allows user to input name and specified times of rehearsals that will be publicly shown to others

Stop the Squares *October 2017*
• Used HTML and jQuery to create a game where user has to click squares before they fall to the bottom

Skills

- Languages: Java, C, HTML/CSS, Python, JavaScript, Scheme
- Technologies: JQuery, Flask, MongoDB, Jinja, Git, React
- Music: Tuba (8 years), Piano (13 years), Voice (5 years)