

# 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

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## 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](http://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

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## Experience

### **SDE Intern**

*May 2018 – August 2018*

Amazon, S3-Index Routing

Seattle, WA

- Designed and implemented a service to decrease latency for internal S3 services using Java and JUnit

### **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

- Aided Mrs. Barbara Giaquinto, certified music therapist, with various tasks and in playing instruments

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## 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)