

Jackson Rothgeb

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SKILLS

- Proficient: Python, C++, C, Java
- Experienced: MATLAB, NX, LabVIEW
- Novice: HTML, Go, JavaScript, Vue

EDUCATION

Rensselaer Polytechnic Institute

Expected Graduation: May 2022

BS in Computer Science

Cumulative GPA: 3.62

- Rensselaer Leadership Award Recipient (2018 – 2022)

Relevant Coursework

- Currently Enrolled: Programming Languages, Database Systems
- Completed: Data Structures, Operating Systems, Introduction to Algorithms, Principles of Software, Computer Organization, Foundations of Computer Science, Differential Equations, Multivariable Calculus

Maranatha High School

Class of 2018

Cumulative GPA: 4.5 Weighted

EXPERIENCE

Juni Learning / Computer Science Instructor (Remote)

August 2020 – Present

- Instructed students through course modules and projects in Python, Java, and C++
- Met with several students on a weekly basis for private lessons
- Ensured a healthy and productive learning environment

Jet Propulsion Laboratory (NASA) / Intern (Pasadena, CA)

May – July 2019

- Upgraded data acquisition system for vacuum chamber test station
- Improved hardware accuracy and reduced thermal error
- Plotted hardware performance data from thermal sensitivity tests
- Handled optical fibers for hardware and software integration tests

Sensory-Overload Music / Intern (Woodland Hills, CA)

August 2017

- Assisted musical composition and studio tech on a variety of projects
- Managed sample data banks and prepared instrumentation patch selection
- Conducted database cleansing and operating environment virus removal

STARS Program / Tutor (Pasadena, CA)

January – May 2017

- Oversaw students' comprehension and completion of assignments
- Maintained an organized and productive learning environment
- Helped students develop time management techniques

LEADERSHIP & PROJECTS

- Rensselaer Center for Open Source – Shuttle Tracker *September 2019 – Present*
 - Replaced hardcoded objects with user input option
 - Reworked code to display users' unique input on other users devices
- RPIgnite (Percussion Ensemble) – Music Director *May 2019 – Present*
 - In charge of organizing and running weekly practices
 - Responsible for planning and composing for end of year performance
- Associate Student Body - Senior Class Representative *September 2017 – May 2018*
 - Planned school events and encouraged student engagement in sponsored activities