

William Freitag

Rutgers University Undergraduate
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Education

Rutgers University

Graduating May 2022

Bachelors in Computer Science and Physics

Minor in Astrophysics

Gpa: 2.96

Relevant Courses: Computer Architecture, Systems Programming, Data Structures, Linear Algebra, Public Speaking, Discrete Math 1 & 2, Calculus 1 & 2, Physics 1, 2 & Labs

Employment History

Robert Wood Johnson Medical School

September 2019 - Present

Software Engineer

- Developing and maintaining software in Java to analyze lab lab trials and generate data sets for Professor Winkelmann's heart disease research
- Implementing graphics libraries to animate previously recorded trials for in-depth analysis
- Updating software written using deprecated functions and libraries in C

Side Projects

Typing Game - Java Game

Github repository: <https://github.com/WilliamFreitag/Typing-Game>

- Desktop Game built using Java with a graphics built using JavaFX
- Implements data structures to manage a data set of indefinite size
- Utilizes an object-oriented design

Project Portfolio - Website

www.WilliamFreitag.github.io

- Built using HTML / CSS / Javascript and hosted on Github Pages
- Displays my independent projects with links to Github repositories

Professional Skills

Java	Proficient
C	Familiar
Javascript / HTML / CSS	Familiar
C++	Prior experience
Python	Prior experience
AutoCAD	Prior experience