

Griffin Bates

Resume



+1 (914) 572-2016
griffin0042@gmail.com
<https://www.groovyboron.com>
<https://github.com/Chemisto2>
<https://www.linkedin.com/in/griffin-bates-45947a22a/>

WORK EXPERIENCE

CURRENT, FROM JAN 2022

Rensselaer Polytechnic Institute *Undergraduate Teaching Assistant*

Teaching assistant for a computer organization class. I hold regular office hours and grade student work. Class topics include C, MIPS, combinational and sequential logic circuits, and pipelining.

JUN 2022 – AUG 2022

University of Colorado Anschutz Medical Campus *Computational Research Intern*

Examined a variety of approaches to study intracranial pressure (ICP) computationally. This primarily took the form of implementing dynamical system ICP models that my lab-mates needed in their work. I also served as a "programmer on call" in a less official capacity whenever somebody needed a second pair of eyes to look at their code.

JUN 2021 – AUG 2021

iD Tech Camps *Online Programming Instructor*

Engaged students ages 13-18 in week-long programming classes (Python and C++). Students typically decided the pace of the course, with different topics covered depending on interest and feedback.

MAY 2018 – AUG 2019

Iona College *Research Intern*

Investigated factors that affect the permeability of water through lipid bilayers. This was done to improve understanding of how cell membranes behave. I worked under the supervision of two chemistry professors as well as several undergraduate researchers. Duties included preparing necessary samples, operating laboratory equipment, reporting to/working with more experienced researchers, and running computational molecular dynamics simulations.

EDUCATION

- 2020 – 2023 **Bachelor's of Science**
GPA: 3.91
Computer Science and Mathematics
Rensselaer Polytechnic Institute
- 2016 – 2020 **High School Diploma**
GPA: 101.7/100
New Rochelle High School

REFERENCES

References available on request.

TECHNICAL SKILLS

- BEGINNER x86, Microcontrollers, HTML, CSS, Javascript, Signal Processing
- INTERMEDIATE Graph Theory, C, MIPS, \LaTeX Linux, Unity, C#, Git, Github, Hardware, Logic Circuits, Real Analysis, Discrete Math, Computability Theory
- EXPERT C++, Python, Calculus, Research, Data Structures

COMMUNICATION SKILLS

Collaboration

I'm at my most productive in an environment where people collaborate, bounce ideas off of one other, and enjoy discussion.

Presenting

The only thing better than computer science is discussing computer science with other people. Presenting ideas and work in a way that makes sense to everyone is what gives projects their wider purpose, and I've worked hard to develop my ability to do so.

Passionate

I fell in love with computer science and mathematics years ago and haven't looked back since. I'm not the most talented programmer by any means, but my obsession with the field allows me to fully dedicate myself to a project as long as it demands interesting thought processes.

AWARDS

- 2020 - 2022 **Dean's Honor List**
Awarded to students who obtain a semester GPA of 3.5 or higher and have no grade lower than a C.
- 2021 **Mini Jam 71: Puzzles, First Place Overall**
First place overall in a three day game jam with 97 developers. The theme was to make a puzzle game that "combined two genres."
- 2019 **GENIUS Olympiad, Bronze Medal**
Presented research on cell membrane fluidity. Participated with students from over 90 countries.

PROJECTS

Please see my website and/or my GitHub for a selection of my projects (links at the top of the page).