Ryan Guo

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EDUCATION

Williams College   Williamstown, MA
GPA: 3.89/4.00; Dean's List 3x   Expected Graduation: June 2026
B.A. Candidate in Computer Science, B.A. Candidate in Mathematics
Relevant coursework: Computer Organization, Data Structures and Advanced Programming, Applied Real Analysis, Probability Theory, Differential Equations, Statistics and Data Analysis

WORK EXPERIENCE

A-CAP   New York, NY
Investment Analyst Intern   June 2023 – August 2023
- Interned on the Private Credit team at asset manager with over six billion dollars of assets under management
- Analyzed private credit deals and performed diligence on middle market healthcare and consumer debt investments
- Created portfolio-wide reporting framework focused on identifying risks and weaknesses in existing credits

Walter Reed Army Institute of Research   Silver Spring, MD
Research Intern   June 2020 – August 2020; June 2021 – May 2022
- Analyzed Sars-CoV-2 genomes from Kenya using bioinformatics software, contributing to a multi-government international effort to investigate the global spread of COVID-19
- Wrote a forty-page thesis analyzing data, providing interpretive analysis, figures, and implications of findings
- Built an automated genome curation tool in Python script and presented at the 2021 WRAIR STEM Expo

PROJECTS

Electricity Maps | Python
- Contribute to enhancing project functionality of an open-source, real-time map of carbon emissions from electricity consumption with over 100k downloads on the Google Play store
- Implemented geometry software to accurately map land geographies and boundaries

Text Generator | Java
- Implemented Shannon-Fano Algorithm to analyze and generate text in the style of a given text

Animation App | Java
- Developed a user-friendly application for creating traditional animations, aimed at hobbyists and beginners in hand-drawn animation

SKILLS

Languages: Java, Python, C, JavaScript, Assembly, HTML5, CSS3
Software & Development Tools: Git, GitHub, Visual Studio Code, DrJava, GNU Debugger, Microsoft Office, Slack

CAMPUS INVOLVEMENT

Williams Students Online (WSO)   Williamstown, MA
Full Stack Developer   August 2022 – Present
- Review WSO website UI and UX with multiple development teams, making necessary fixes to address issues raised by Williams students
- Handle the composition, color, and branding of the site; address design issues and maintain responsiveness of the site

Multivariable Calculus   Williamstown, MA
Teaching Assistant   September 2023 – Present
- Teach concepts from the textbook and lecture in weekly sessions with students
- Contribute to writing solutions for weekly problem sets; assist professor with grading problem sets

Asian American Students in Action (AASiA)   Williamstown, MA
Board Member   January 2023 – Present
- Successfully campaigned for the creation of the Asian American studies department at Williams College
- Organize and promote cultural events on campus; collaborate with other minority groups to host joint events