Hagop Jack Alajajian

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CURRENT EDUCATION

Princeton University, Princeton, NJ   May 2026

B.S.E. in **Computer Science** and Finance Minor   Departmental GPA: 4.0 | Cumulative GPA: 3.5

Relevant Coursework: The Art and Science of Computer Science (A), Earth:Crops, Culture and Climate in Italy (research seminar using MATLAB and LaTeX softwares, A-), Computer Science: An Interdisciplinary Approach (A), Single Variable Analysis with an Intro to Proofs, current: Data Structures and Algorithms, High Tech Entrepreneurship, Reasoning with Computing

PRIOR EDUCATION

Lawrence Technological University (LTU) - Southfield, Michigan — GPA: 4.0
- LTU Math Club Competitor; Relevant classes: Physics I (A), Chemistry I (A), Calculus II (A), Calculus III (A)

AGBU Alex & Marie Manoogian High School (Graduated 06/22), Southfield, Michigan - GPA: 4.0 (Unweighted)
- Class Rank: **1** | SAT: 1500 (**Math: 800**) | AP Calculus - 5 | PLTW Computer Science Exam: 520 (Distinguished)
- FIRST Robotics and Automotive Engineering Teams – Lead Mechanic, Global Innovation President, Welder
- National Honor Society (Vice President), Science National Honor Society (Founder), and Student Council (President)

EXPERIENCE

AI and Data Science Engineer: Bancolombia (Biggest bank in Colombia), Medellin, Colombia (06/23 - 08/23)
- Created a proof-of-concept that generates or adopts a statistical model of text classification and incorporates a NLP model
- Developed a AI-based chatbot and code reviewer, checking for conformity to clean architecture guidelines
- Gathered data and info using data science techniques and incorporated key findings into case projections

AI Researcher Fellowship: Lowtech AI (06/23–08/23)
- Lowtech AI is a startup dedicated to assisting users with prompt engineering and AI tools with its application.
- Responsible for researching/reporting applications of gen. AI in finance, integrating what I learned into app, and prompt engineering.

Room Draw App Developer: Research, Innovation, and Design (Organization), Princeton University (09/22–present)
- Streamline the undergraduate dorm selection process through the development of software and the availability of apps as tools.

Web Developer: The Daily Princetonian (daily student newspaper), Princeton University (01/23–present)
- Currently working on a web app (with Javascript, HTML, and CSS) that provides a quiz-like platform for readers of the main news outlet on campus.
- Design and add interactive features on Princetonian's website.

Sales Associate: **Fancy Jewelers,** Southfield, MI (06/18–06/22)
- Educated customers about product features and prepared merchandise for the sales floor.

Group Guide Volunteer: Michigan Youth Leadership, Lansing, MI (02/21–02/22)
- Facilitated group discussions to expand the comfort zones of young leaders

PRINCETON ACTIVITIES (2022–2023)
- **Princeton AI Alignment**: Discussion Group about the Fundamentals of AI Safety
- **Entrepreneurship Club (E-Club)**: Tigers in Product Team
- **Princeton Undergraduate Energy Association (PUEA)**: Research and Reports Team
- **Princeton Armenian Society**: Vice President
- **Princeton Blockchain Club**: Involved with creating discourse about cryptocurrency, market research, etc.

RESEARCH

Mentor: Dr. Meng Zhou, Lawrence Technological University, Southfield, MI (02/22–05/22)
- Tested iridium nanoparticles as catalysts in the catalytic hydrogenation of nitrobenzene (while using C1 feedstock methanol as the hydrogen donor) and analyzed the reaction yield of aniline with H-NMR.
- Collaborated, conceptualized ideas, developed plans, and designed experiments with the team.

Technical Skills
- **Programming**: Java, Python, Javascript, HTML, CSS, MatLab, LaTeX
- **Software Proficiency**: OnShape CADing, Vernier Graphical Analysis, NetLogo, Excel, Adobe, Github, Notion.P

HIGH SCHOOL AWARDS
- FIRST Robotics Dean's List National Finalist – 2021
- The Engineering Society of Detroit: Outstanding High School Student of the Year - 2022
- Michigan All-Star Math Team (30 best mathlete students throughout the state) 2022