

Hagop Jack Alajajian

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CURRENT EDUCATION

Princeton University, Princeton, NJ

May 2026

B.S.E. in **Computer Science** with Minors in Finance, Statistics/ML, and Visual Arts

Departmental GPA: 4.0

Relevant Coursework: Data Structures and Algorithms, Introduction to Programming Systems, High Tech Entrepreneurship, Reasoning with Computing (Discrete Math), Linear Algebra, Corporate Finance and Financial Institutions

EXPERIENCE

Intern: Union Atlantic Ventures (UAV), Princeton, New Jersey (12/23 - 02/24)

- Shadowed one of the managing partners as they work with investors and portfolio companies
- Attended pitch meetings from investor-end, seeing how companies are assessed and how capital flows in early stage investments.
- Analyzed and presented the strengths and weaknesses of early stage investment opportunities
- Tasked to build tech for a new project, a "costly slider", which implements various "frictions" to limit bias for rating systems.

AI Engineer and Software Developer Intern: Banca de Inversion Bancolombia, Medellin, Colombia (06/23 - 08/23)

- Created a proof-of-concept that generates and adopts a statistical model of text classification and incorporates a NLP model in the engineering branch of Colombia's largest bank.
- Developed AI-based chatbot and software 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)

- Helped design features at Lowtech AI, a startup dedicated to assisting users with prompt engineering and AI tool applications.
- Responsible for researching/reporting applications of gen. AI in finance, integrating what I learned into app, and prompt engineering.

Co-Founder: Atlas (11/23–present):

- Run operations, create technology, and lead pitches for Atlas, a startup dedicated to developing a peer-to-peer online renting site, where potential renters can interact with renting organizations for rentals through a listings-oriented platform.

Web Developer: The Daily Princetonian (student newspaper), Princeton University (01/23–present)

- Created a web app that provides a quiz-like platform for maximizing reader interactions, and designed features on the website.

Room Draw App Developer: Research, Innovation, and Design (Organization), Princeton University (09/22–present)

- Streamline the undergrad dorm selection process through the development of software and the availability of apps as tools.

Sales Associate & Market Analyst: Fancy Jewelers, Southfield, MI (06/18–06/22)

- Educated customers about product features and prepared merchandise for the sales floor.
- Conducted market research and trends in the Jewelry market for when it comes to competition, packaging designs, styles, etc.

PRINCETON ACTIVITIES (2022–2023)

- **Princeton Armenian Society**: Vice President
- **Princeton AI Alignment**: Discussion Group about the Fundamentals of AI Safety
- **Entrepreneurship Club (E-Club)**: Tigers in Product Team: Tech Lead
- **Princeton Undergraduate Energy Association (PUEA)**: Research and Reports: Team Lead
- **Princeton Blockchain Club**: Events Chair, involved w/ creating discourse on campus about crypto, market research, etc.

TECHNICAL SKILLS:

- **Programming**: Java, Python, C, Javascript, HTML, CSS, MatLab, R, LaTeX, Pandas among other libraries
- **Software Proficiency**: OnShape CADing, Vernier Graphical Analysis, NetLogo, Excel, Adobe, Github, Notion, AWS S3

RESEARCH

Mentor: Adam Maloof, Princeton University, Princeton, NJ (09/2022–06/2023)

- Developed methods to maximize the amount of info that computer vision models learn from small datasets in geosciences.

Mentor: Dr. Meng Zhou, Lawrence Technological University, Southfield, MI (02/22–05/22)

- Tested Ir nanoparticles as catalysts in the catalytic hydrogenation of nitrobenzene & analyzed reaction yield of aniline with H-NMR.

PRIOR EDUCATION

Lawrence Technological University (LTU) - Southfield, Michigan — GPA: 4.0

- LTU Math Club Competitor; Relevant classes: Physics I, Chemistry I, Calculus II, Calculus III

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**)
- National Honor Society (Vice President), Science National Honor Society (Founder), and Student Council (President)

- FIRST Robotics and Automotive Engineering Teams – Lead Mechanic, Global Innovation President, Welder

AWARDS

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

Links

- <https://github.com/hagop-a>
- <https://www.linkedin.com/in/hagop-alajajian-331181206/>