

Hagop Jack Alajajian

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CURRENT EDUCATION

Princeton University, Princeton, NJ

May 2026

B.S.E. in **Computer Science** with a Minor in Statistics/ML

GPA: 3.6

Relevant Coursework: High-Tech Entrepreneurship, Reasoning about Computation, Single Variable Analysis, Lin.Algebra, Data Struct & Alg

EXPERIENCE

Automation Engineer and Data Analyst: Foundation for Armenian Science and Technology, Yerevan, Armenia (06/24–08/24):

- Leveraged Google Cloud APIs and web app tools to streamline the collection and presentation of Generation AI project data, enabling for the project to double in size and a transition from manual to automated data collection.
- Conducted data analysis using Excel and MATLAB to extract insights and support project objectives.
- Implemented automation for financial reporting using the Armsoft API, increasing overall efficiency.

Intern: Nvidia, Yerevan, Armenia (07/24):

- Shadowed Nvidia's conversational AI team in Yerevan, gaining first hand insight into designing deep learning models for speech and NLP, curating speech datasets, and innovating within the NeMo framework.

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

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

Principal Investments and AI Engineer Intern: Banca de Inversion Bancolombia, Medellin, Colombia (06/23 – 08/23)

- Worked on the Private Equity team (2 weeks) within the Investment Bank arm of Colombia's largest bank.
- Advanced transaction progress through cross-border comps, FX risk modeling, and valuation analysis.
- In the engineering branch (6 weeks), created a proof-of-concept that adopts a statistical model and incorporates NLP.
- Developed AI-based company-wide 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.
- Researched/reported on applications of gen. AI in finance, integrating what I learned into a web app, and prompt engineering.

Co-Founder: Atlas (09/23 – 04/24):

- Ran operations, created technology, and led pitches for Atlas, a startup dedicated to creating a peer-to-peer online renting site.

PRINCETON ACTIVITIES

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

TECHNICAL SKILLS:

- **Programming**: Java, Python, C, OCaml, Javascript/HTML/CSS, MatLab, R, LaTeX, Solidity, Rust
- **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

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
- AGBU Alex & Marie Manoogian High School Statistics: **Class Rank: 1 | SAT: 1500 (Math: 800) | AP Calculus - 5**

Links: Portfolio Website: <https://hagop-a.github.io/portfolio-website/>; LinkedIn: <https://www.linkedin.com/in/hagop-alajajian-331181206/>