Garrett Gregor-Splaver

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EDUCATION

Columbia University, *School of General Studies*, New York, NY   Expected: Spring 2025
  Applied Mathematics and Political Science, Bachelor of Arts | GPA: 3.94
  Relevant Coursework: Programming in Java, Hacking for Defense, Analysis & Optimization, Combinatorics, Discrete Mathematics, Discrete Time Models in Finance, Numerical Methods, Differential Equations, Independent Research – Nuclear Nonproliferation
  Honors and Awards: Dean's Academic Honor List (x4), GS Service Award (x2), GS Spirit Award, GS Honor Society
  Fellowships and Scholarships: Kyoto University ILAS Scholar (Summer 2022 – Japanese), Global Thought Scholar (2022 – 2023), Oxbridge Scholar – St. Anne's College, Oxford University (Fall '23 – Politics)

TECHNICAL EXPERIENCE

Second Place Algorand Prize, *Columbia DevFest 2023 Hackathon*, New York, NY | *Programming, Project Management*   Spring 2023
  - Engineered and deployed a functioning rat-tracking app that leveraged a computer vision algorithm, implemented smart contracts through the Algorand blockchain, and created a full-stack map interface to reward users cryptocurrency for reporting rat sightings
  - Developed skills in version control, accelerated team-based software development, and project management in a two-day hackathon

AI Signal Processor Consultant, *Hacking for Defense*, New York, NY | *Technical Research and Report Writing*   Fall 2022 – Present
  - Researched the state-of-the-art artificially intelligent signal processing landscape through interviews with subject matter experts in academia, the defense industry, and the federal government, to create a development roadmap for a cognitive radio architecture
  - Synthesized findings with group expertise in signal processing and AI to create a 40-page report for the US Missile Defense Agency
  - Working to build a prototype AI-enabled cognitive radio for commercial use in enterprise-grade wireless networking equipment

AI Safety Fellow & AI Governance Fellow, *Columbia Effective Altruism*, New York, NY | *AI Programming, Research*   Fall 2022
  - Discussed best practices in AI Governance grant-making at the local university level, awarding $10,000 to various projects
  - Synthesized findings in literature reviews and proposed solutions to nascent AI Alignment and Machine Learning Safety issues
  - Presented a capstone project demonstrating an interpretability approach to reverse engineering PyTorch neural networks

Summer Risk Analyst, *Transverse (Mitsui Sumitomo)*, New York, NY | *Market Analysis, Mathematical Modeling*   Summer 2022
  - Prepared reports on program data for the board of directors using S&P Capital IQ data feeds into Microsoft Excel spreadsheets
  - Developed a deep understanding of current and emerging opportunities in program markets, reinsurance markets, and the nascent insurance-linked securities market while interning directly under the Chief Risk Officer
  - Analyzed competitors in the insurance fronting market to create a report for the Chief Investment and Chief Executive Officers
  - Conducted due diligence with other interns on a potential program underwriting opportunity, ultimately passing on the program with concurrence from the board of directors

LEADERSHIP EXPERIENCE

Class President, *Columbia University: General Studies Student Council*, New York, NY   Fall 2022 – Present
  - Lead event programming and communications to over 800 students, increasing yearly participation within our college by over 50%
  - Coordinate closely with the Class Presidents and Vice Presidents of three other undergraduate colleges to ensure fair ticket volume allocation and costs for my constituents, achieving 27% growth in ticket offerings and an average of 17% reduction in prices
  - Engage with senior school administrators to equitably finance traditional events while introducing new weekly class nights

Resident Fellow, *International House*, New York, NY   Fall 2019 – Present
  - Foster and manage existing interpersonal and professional relationships between over 100 residents on my floors by creating and nurturing a social environment conducive to respectful intercultural dialogue
  - Create and coordinate events from inception to completion, with advertising, for approximately 80 residents every month
  - Provide confidential personal and professional mentorship for residents and facilitate connection to resources on a 24/7, on-call basis

Class Treasurer, *Columbia University: General Studies Student Council*, New York, NY   Fall 2021 – Spring 2022
  - Allocated $100,000 towards purchase orders and service contracts critical to the success of student programming
  - Collaborated with GSSC's Class President and Vice President to ensure we were offering sufficient opportunities and equitable ticket subsidies to our constituents within the scope of the council's bylaws and budgetary constraints
  - Liaised with school advisors and other schools' class representatives to successfully finance events for over 750 constituents

CERTIFICATES, INTERESTS, AND SKILLS

Computer: Microsoft Office Suite, Python (Matplotlib, NumPy, Pandas, PyTorch, etc.), Java, LaTeX, HTML, CSS, XML
Financial: Bloomberg Markets Concepts Certificate, Goldman Sachs FinTech Engineering Certificate, Goldman Sachs Excel Skills Certificate, Bloomberg Terminal, S&P Capital IQ
Interests: Espresso Brewing, Formula 1, Skydiving, Nuclear Nonproliferation, and Environmental Policy
Language: English (Native), Italian (Intermediate), Japanese (Elementary)