

# Luke Andreesen

(913) 954-1123 ♦ landreesen@uchicago.edu ♦ [LinkedIn](#) ♦ [GitHub](#)

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## EDUCATION

### **The University of Chicago**

*Bachelor of Science in Computer Science, Bachelor of Arts in Economics*

*GPA: 3.3/4.0*

**Chicago, IL**

*2021-2025*

## PROFESSIONAL EXPERIENCE

### **Invictus Growth Partners**

*Data Science Intern*

**San Francisco, California (Remote)**

*August 2023-Present*

- Developed and deployed webscraper on AWS linux instance to pull and process 500+ gigabytes of website data for use in proprietary deal-sourcing AI model
- Automated the injection of 30+ data sources into comprehensive Salesforce reports for deal-sourcing and portfolio company monitoring
- Tuned parameters and optimized proprietary Neural Engine for deal sourcing applications used to select \$300+ million in private equity investments

### **Duco Experts**

*Software Engineer Intern*

**San Francisco, California (Remote)**

*May 2023-August 2023*

- Implemented a vast array of features on the company's web application using Ruby on Rails framework, including automated Slack messaging and a new2 platform-based action item tracking systems
- Developed and implemented an A.I. program to match clients to experts for their projects using OpenAI API
- Enhanced front-end of application with dynamic, modern features using CSS, HTML, and JavaScript
- Developed automated, AI-driven news alert system to notify clients of relevant policy and security issues

*Security & Intelligence Intern*

*January 2023-May 2023*

- Delivered detailed research papers and briefs on topics including cybersecurity, national security threats, payment fraud, executive protection, and workplace violence to Fortune 100 clients on a weekly basis
- Identified, recruited, and vetted experts to be added to Duco's expert network, including C-Suite executives, university professors, and former U.S. intelligence agents
- Lead communications and planning between clients and experts for multi-year fraud-management projects

### **QuMatrix**

*Quantum Computing Research Intern*

**Fort Davis, Texas (Remote)**

*June 2022-September 2022*

- Completed comprehensive training programs on fundamental concepts and mathematics of quantum mechanics and computing, developed an understanding of foundational quantum algorithms
- Enhanced and updated proprietary quantum algorithms designed for applications including portfolio optimization and quantum education using Qiskit quantum software
- Developed distributed file and version control systems utilizing AWS cloud computing products in conjunction with GitLab, GitHub, and Git repositories

## CAMPUS INVOLVEMENT

Member, *UChicago Quantum Society* | Bouldering Athlete, *UChicago Climbing Club* | Member, *UChicago Data Science Society* | Member, *Oeconomica* | Member, *UChicago Astronomical Society* | Member, *UChicago Figure Drawing Club*

## SKILLS and INTERESTS

**Software & Application Development:** Python, Java, C, C++, Ruby on Rails, Docker, Git version control

**Data Science and Machine Learning:** R, Excel, Pandas, SQL, Amazon SageMaker & Lightsale

**Other:** Quantum Computing Software (Qiskit, Qirq), AWS Cloud Services (EC2, Athena, S3), Bloomberg Terminal, Investment Research & Valuation, Spanish (Full Professional Proficiency)

**Interests:** Rock Climbing, Aviation, Egyptian History, Quantum Technology, ESG Investing, Household Automation