THE UNIVERSITY OF CHICAGO
Computer Science Career Pathways

Explore the ways you can apply your Computer Science degree to the professional world through the sample student pathways.

E EXPERIENTIAL PROGRAM

I INTERNSHIP

P POST-GRAD

Major: Computer Science

SOFTWARE ENGINEERING

Major: Economics Specialization in Business Economics
Minor: Computer Science

TECHNICAL PRODUCT MANAGEMENT

Major: Computational and Applied Mathematics
Minor: Computer Science

DATA ENGINEERING

Major: Computer Science
Minor: Visual Arts

USER EXPERIENCE (UX) RESEARCH

Major: Computer Science
Minor: Economics

QUANTITATIVE FINANCE

Major: Biology
Minor: Computer Science

ENTREPRENEURSHIP

Major: Data Science

DATA SCIENCE AND ANALYTICS

Software Engineer at NVIDIA — **P**

Associate Product Manager at Salesforce — **P**

Explore Microsoft Internship — **I**

Data Engineer at Verizon — **P**

Product Management Intern at VMWare — **I**

Data Engineer Intern at TikTok — **I**

User Experience Researcher at Google — **P**

Computer Science and Data Science Trek in San Francisco — **E**

Tech Career Skills Workshop Series: PM Case Studies — **E**

Design internship at UChicago Media, Arts, Data and Design — **I**

Junior Algorithmic Trader at Akuna Capital — **P**

UChicago Tech Community Challenge — **E**

Humanities UX Early Engagement Program — **E**

Quantitative Trading Analyst Intern at DRW — **I**

Co-founder at Techstars affiliated startup — **P**

Financial Markets Data Practicum — **E**

Summer Associate Intern at Tempus — **I**

College New Venture Challenge — **E**

Data Scientist at GoHealth — **P**

Emerging Technologist Program - Data Science at Nielsen — **I**

Grace Hopper Celebration of Women in Computing Conference — **E**

uchicago
Innovators in Technology

Jeff Metcalf Internship Program

UChicago provides more than 4,200 paid, substantive internship opportunities each year through the Jeff Metcalf Internship Program. Computer Science Metcalf employers specialize in cloud computing, blockchain, artificial intelligence, metaverse, and more! Students gain invaluable summer experience at large tech firms like Amazon, Meta, Google, Adobe, IBM, and Apple, as well as exciting start-ups.

Early Career Engagement Programs

UChicago offers many early career programs for students interested in computer science careers:

- The Computation and Engineering in the Life Sciences (CELLS) program connects students to careers in computational biology where they can harness the power of computer science and analytics to answer big questions in the life sciences.
- The Green Data Program is training a new generation of professionals to help leaders make data-driven decisions on climate, energy, and the environment.
- Humanities UX helps students discover careers at the intersection of media, design, and data science.
- Prototype for Success supports students who are passionate about entrepreneurship in STEM.

UChicago Tech Showcase

This Hackathon-inspired event offers undergraduate students the chance to work on technical projects and present to a selection of judges, advisors and mentors and compete for awards. This is an excellent resume-building opportunity to apply real-world skills outside of the classroom.

Computer Science Career "Treks"

Career treks are designed to give students a practical understanding of both daily life in their field of interest and the best way to successfully find a career in tech. Participating students have the opportunity to expand their professional network, learn more about potential jobs and internships, and find out whether a particular field matches their interests, skills, and values. Students travel to tech hubs like San Francisco and Seattle to visit employers like Tesla, Microsoft, Meta, and Apple.

Tech Career Skills Workshops

Careers in Computer Science offers Tech Career Skills events throughout the year that provide training in technical skills, give students the opportunity to practice technical interviews, and bring tech recruiters onsite to offer tips and feedback. Example workshops include developing financial technology platforms, researching artificial intelligence with Python, participating in product management case interviews, and more!

UChicago Tech Community Challenge

Prizes are awarded to undergraduate students who create the most beneficial technical resources for the UChicago computer science community. Sample student-created resources could include a web app to facilitate practice technical interviews, a student-created course on programming in Java, and the creation of a themed programming challenge. This program fosters student innovation, builds affinity in UChicago's computer science community, and helps students prepare to be successful alumni leaders.

Conference and Hackathon Grants

Undergraduate students can receive grants throughout the academic year to attend conferences and hackathons. These experiences expose students to valuable recruiting, learning, and mentoring opportunities. Conferences may include PyCon, Grace Hopper Celebration of Women in Computing, AfroTech, Black Women in Data Summit, Latinas in Tech Summit, and many more!

World Renowned Research

UChicago is a global leader in computer science research, where top authors and award winners regularly share their knowledge with the community. Undergraduate students can apply for grants throughout the academic year to participate in short-term, faculty-led technical research projects. Example projects include building an API, creating an app, developing a machine learning algorithm, or conducting data analysis. This program enables student to build their resumes with hands-on technical experiences to make them more competitive for full-time roles and internships.

Financial Markets Program & Data Practicum

The Financial Markets Program supports students interested in mathematical modeling and programming who wish to pursue quantitative finance careers. Participants complete a three-year curriculum that includes technical trainings, internship and recruiting support, and hands-on experiential learning opportunities such as the annual UChicago Trading Competition and the FM Data Practicum, where students apply data analysis techniques to real trading data.

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