



## Arin Kosar Jaff

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### EDUCATION

**Columbia University**, New York, NY Sep '22 - May '26  
Bachelor's, Computer Science — GPA: 3.77/4.00 — Men's Varsity Crew — Dean's List

### TECHNICAL SKILLS

- **Advanced:** Python, Java, JavaScript. **Intermediate:** TypeScript, SQL, C(++), HTML/CSS. **Proficient:** R,  $\text{\LaTeX}$ .
- *Relevant Coursework:* Machine Learning, Artificial Intelligence, Analysis of Algorithms, Natural Language Processing, Computer Networks (Python), Cloud Computing (AWS, Java, JS), Hacking 4 Defense
- *Libraries/Tools:* Java Spring Boot, PyTorch, Maven, AWS (Lambda, S3, DynamoDB, Pinpoint, VPC), Git, MongoDB, Neo4J, Jest, Jupyter, NumPy, Pandas, React, Flask
- *Skills:* LLMs, Test-Driven Development, Microservice Architecture, Full-Stack Development, Cloud Computing, REST APIs

### PROFESSIONAL EXPERIENCE

**Columbia University Computer Science**, *Teaching Assistant*, New York, NY Sep '25 - May '26

- Led weekly office hours for **200+ students** in theory and applications for **Cloud Computing**
- Code reviewed and graded **50+ student projects** with **AWS management** and **microservice deployment**.

**Garmin Ltd.**, *Software Engineer Intern, Device Interactions*, Olathe, KS May '25 - Aug '25

- Shipped new failover system for **public Garmin Weather API**, improving an API endpoint's error rate by **99%**. Leveraged Java Spring Boot and Redis state management.
- Designed and developed new backend service for wearables to be **deployed Q1 2026**. Implemented **object-oriented logical model**, and implemented comprehensive error handling and **unit testing**.
- Presented regular working demos at **weekly stand-ups** and **Intern Expo**. Worked within **agile development** methodologies (**CI/CD**) to **deploy code to production**.

**Covet Inc.**, *Full-Stack Software Engineer Intern*, Seattle, WA May '24 - Aug '24

- Launched **company-first AWS-based onboarding service** that facilitated **first 100+ new client acquisitions**.
- Implemented **test-driven website error detection** using Jest and created a sitewide Rule Engine, reducing client configuration errors by **99%+**.
- Collaborated with company legal team to create a new **legal document generation service** to streamline legal processes for new clients.

**University of Chicago Dept. of Economics**, *Prof. John List Research Assistant*, Chicago, IL May '23 - Aug '23

- Won **department-wide intern research competition** by writing **data-driven** paper on brain-drain.
- Researched **field experiment applications** with **international professors, scholars, and researchers** in weekly meetings for an upcoming Economics textbook.
- Automated citation management and generation for economics textbook leveraging **database API services**, reducing citation time by over **80%** and creating a **scalable sustainable** tool for future projects.

### PROJECT EXPERIENCE

**Pokébank** — Gamified blockchain-based trading platform, Computer Networks

- Built a decentralized **P2P trading system** presented in a card-trading GUI, with **DHCP** addressing to mimic nodes in a blockchain environment and **Merkle tree** hashing, fork resolution logic, and **nonce mining** to prohibit tampering.

**BillsWithFriends** — Cloud-based Budgeting SaaS Cloud Computing

- Developed a receipt parsing and group-budgeting platform with fully **documented APIs** and session handling, deployed in a **scalable architecture** using various **AWS microservices** and compute strategies.

### LEADERSHIP & ACHIEVEMENTS

**IRA National Championship**, *Bronze Medalist* May '25

- Achieved **bronze medal** at IRA National Championship as member of Columbia Men's Varsity Crew team.
- Maintained **4.0+ GPA** while managing **40+ hr/week** athletic time commitment.

**WashU Olin Big IdeaBounce**, *Finalist*, St. Louis, MO Spring '22

- Won grant over **200+ teams** for product design of new Epi-Pen with **financial model** and full **product design**.

**Eagle Scout with Silver Palm**, Boy Scouts of America January '21

- Led **Eagle Scout project** managing team of **100+ volunteers** and coordinating with local government.
- Headed troop of **60+ scouts** on biweekly camping and backpacking trips.