

NEEL KUMAR

+1-484-716-8529 • neelvk2@gmail.com • neelvkumar.vercel.app •  Neel Kumar •  neel-kumar-v

Summary

UIUC CS + Economics junior with 2+ years of software development experience and 3 national award-winning projects.

Education

Computer Science + Economics at the **University of Illinois Urbana-Champaign**

Present – May 2027

GPA: 4.0 • Dean's List • CS225 (Docker/C++/Linux) • CS233 (Assembly/C/Verilog) • CS341 (C) • CS374 (Algorithms)

Skills

Languages - Python | Java | JavaScript | TypeScript | C++ | C | C# | R | Kotlin | Swift | SQL | Lua | Verilog | HTML | CSS

Libraries - React | Spring Boot | Kafka | Thymeleaf | jQuery | Flask | Jinja | Selenium | Pandas | SciPy | Unity | Roblox Studio

Cloud – Azure (App Services/DevOps) | Firebase | Cloudflare | Docker | Jenkins | Oracle DB 19c | Git | GitHub | Jira | Bitbucket

Work Experience

Incoming Software Engineer Intern – Stripe

May – Aug 2026

Software Engineer Intern – Cencora *[Fortune 10]*

May – Aug 2025

- Designed summarizer parsing 1600 alerts/month to reduce MTTR by 15% using **Spring Boot**, **Kafka**, **SQL**, **Oracle DB**
- Built email success monitoring API handling 8k emails/week using **Spring Boot**, **Selenium**, **jQuery**, **Bootstrap**, **Thymeleaf**
- Developed internal role provisioning tool reducing onboarding time by 75% using **Spring Boot**, **SQL**, **Oracle DB**, **Vue.js**
- Reduced potential bugs by 80% by creating 500+ Junit tests & resolved over 65 SCA vulnerabilities to ensure data security
- Collaborated w/ cross-functional teams using **AGILE** w/ **Jira** & **Bitbucket**, CI/CD with **Jenkins**, **Docker**, **SonarQube** & **Azure**

AI Evaluation Engineer [Freelance] – Surge AI *[Data Annotation]*

Jun 2024 – Present

- Evaluated 750+ coding prompts/responses on alignment safety, quality, accuracy, & adherence of the LLM output

Code Instructor - Code Ninjas Downingtown

Jan 2022 – Aug 2024

- Mentored 100+ students to learn object-oriented programming in **C#**/**Unity** & **Lua**/**Roblox Studio** w/ game development

Awards / Projects

Synapse [1st Place] - HackIllinois 

- Placed 1st / 184 for Best General Hack & 1st / 35 for Best Use of Cloudflare in under 36 hours; worked in a team of 4
- Scaled UI/UX feedback for devs by giving beta testers unique **Cloudflare** Sandboxes to turn user feedback into code diffs
- Testers prompt changes via voice or text to **Cloudflare** Workers AI to update the sandbox to envision their ideal site
- Prompted changes, emotion tracking, and click telemetry data are combined with **Supermemory** to create PRs for devs
- Technologies: **TypeScript**, **React**, **Next.js**, **Convex**, **Cloudflare**, **Docker**, **ElevenLabs**, **Gemini API**, **Hume AI**, **Supermemory**

Semifinalist [Top 5] - MathWorks Math Modeling Challenge 

- Placed in the **top 1%** of 1000+ global entries in a team of 3, judged by PhD mathematicians to win a scholarship
- Modeled the homelessness crisis in the UK and forecasted impacts of solutions in under 14 hours using **Python** & **NumPy**

Lead Systems Developer – Downingtown STEM Academy

- Led a team of 3 to improve the quality-of-life for **1000+** student/staff utilizing **Node.js**, **Firebase**, **React**, and **TypeScript**
- Collaborated with the cross-functional Aramark food service team to create a pre-order site to reduce wait times by **30%**
- Built an app for students to view counselor availability and plan meetings; counselors can now track mental health trends

Lead Developer – Technology Student Association (TSA)

Lift [Nationals 6th Place] 

- Created a responsive 3D website that promotes LIFT, a modern space travel company, to place 6th out of 1000+ entries
- Used AGILE processes to build with **HTML**, **CSS**, **TailwindCSS**, **JavaScript**, **Three.js**, and **Firebase**; CI/CD through **Vercel**

Investify [States 4th Place]

- Built a financial platform integrating real-time stock data, public news & insider trading sentiment analysis via REST API
- Implemented real-time multiplayer paper trading & created an educational AI-powered finance chatbot
- Used **HTML**, **CSS**, **TailwindCSS**, **JavaScript**, **Python**, and **Jinja** on the frontend
- Used **Python**, **Flask**, **Pandas**, **Selenium**, **BeautifulSoup**, **Node.js** and **Firebase** on the backend; CI/CD through **Heroku**