

Colin Graydon

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EDUCATION

Georgetown University

Washington, DC

Double major in Computer Science (BA) and Mathematics (BS), Minor in Economics

Expected graduation December 2024

Courses: Artificial Intelligence, Data Science, Complex Analysis, Network Security, Analysis II (graduate level).

4.00 GPA in Computer Science courses, 4.00 GPA after leave of absence. First Honors student.

EXPERIENCE

Amari Dating

Washington, DC

Frontend Developer

August 2023 - present

- Created MVP for dating app in Flutter for startup. Lead agile team.
- Built screens, widgets, animations, and integrated backend Firebase functionality with the frontend.
- Integrated live chat feature and direct messaging into app, using Firebase functionality. Deployed via Google Cloud.

Merrill Lynch

New York City, NY

Investment Specialist

May 2021 - May 2022

- Wrote Python application which webscraped security price fluctuation or other market events and sent push notifications.
- Serviced ultra high net worth clients as licensed broker and advisor by solving unique, complex issues with the goal of retaining business after other associates had failed to resolve concerns.
- Brought in over 50 million in new assets.

SRI International

Princeton, NJ

Engineering Intern

Junior year

- Wrote classified, proprietary machine learning software in C++ for image recognition and distance calculations. Optimized the model to adjust computation/accuracy ratio, reduced compute resources by 9%.
- Designed a parser in Java to parse logs in order to improve testing efficiency. Wrote Lambda functions for Amazon Web Services.
- Created Bash scripts in order to automate workflow of project and worked on Jenkins CI pipeline, reducing dev downtime.

OTHER EXPERIENCE

Hoya Developers

Washington, DC

Chief Technical Officer

August 2023 - present

- Served as founding chief technical officer for Founded Georgetown University's software development club.
- Created and taught 3 month course to mentor over 30 junior developers, focusing on modern web development essentials including JavaScript/TypeScript, HTML, CSS, and React/React Native, along with backend development.
- Managed technical aspects of club's 7 apps, each using different tech stacks, and worked with project managers to ensure delivery of code to clients in a timely manner, conducting code reviews and approving pull requests.

SKILLS SUMMARY

- Languages:** TypeScript/Javascript, Python, C++, Java, R, SQL, Dart.
- Tools:** Docker, Kubernetes, AWS, Node.JS, React, Firebase, Flutter, Postgres, Jest, JUnit, Prometheus, Grafana.
- Packages:** NumPy, Pandas, TensorFlow, NLTK, MaterialUI, Tailwind, ChakraUI, GraphQL.
- Certifications:** Certified Kubernetes Administrator (CKA), AWS Solutions Architect Associate (SAA), Prometheus Certified Associate (PCA), AWS Cloud Practitioner (CLP), FINRA Series 7, Series 66, SIE.

PROJECTS

- simplifystudying.com:** Developed full stack app using microservices and server-side rendering, written in TypeScript, as tool for studying. Backend API uses Node.JS, Apollo, TypeORM and frontend uses GraphQL, React, Next.JS, and ChakraUI. User data stored in Postgres with Redis-based cookie authentication flow. Deployed to EC2 Ubuntu cluster using Kubernetes. Used Jest for unit testing and NGINX for reverse proxy.
- Ether Net:** Working in agile team, developed a site for address affiliation-network visualizer, generated from connected wallet. Wrote backend in Node.JS and implemented GraphQL graph using Apollo. Implemented custom authentication flow using JWT in conjunction with blockchain wallet authentication.
- Swole:** Developing React Native mobile app for athletes, using TypeScript, Node.JS, and microservices. Implemented JWT based login flow and currently adding OAuth 2.0 as well. Created CI/CD pipeline, using Jest to implement unit and smoke testing, aiming for 100% coverage.