

Chase Reynders

chase.reynders@yale.edu | chasereynders.com | linkedin.com/in/chase-reynders | github.com/chaser164

SUMMARY

Team-oriented, motivated Computer Science undergraduate seeking to forge connections, strengthen development skills, and embrace challenges in a fast-paced, uplifting environment. Interested in project-based learning, human-oriented technology, and interdisciplinary approaches to problem solving. Passionate about learning languages, funk drumming, and baking birthday cakes.

EDUCATION

- Yale University** Expected Graduation May 2026
Bachelor's Degree in Computer Science & Psychology, Certificate in Statistics and Data Science, GPA of 3.97 New Haven, CT
 - Teaching assistant for *Data Structures and Programming Techniques* (taught in C programming language) and *Introduction to Computing and Programming* (known as CS50)
 - Executive board member of the Yale Computer Society; led curriculum development for the *Catalyst Program* and managed widely-used applications such as Yale Butteries
 - Drummer and board member of the Yale Undergraduate Jazz Collective; opened for Grammy-award-winning jazz vocalist Cécile McLorin Salvant

EXPERIENCE

- Twilio** May 2025 – Aug 2025
Software Engineer Intern Remote
 - Implemented an idempotency cache in a large-scale, cloud-based distributed system that processes over 3 billion of events daily, correcting contact counts for 100+ users daily and improving pipeline average duration by 27%
 - Discovered and squashed critical bug in CI/CD production deployment automation pipeline to make deployment processes more resilient and robust
 - Participated in Agile sprints and reviewed code from senior engineers, learning team conventions and contributing to overall codebase quality and modernization
- DeepHealth, a RadNet subsidiary** Mar 2024 – Aug 2024
Software Engineering and Data Science Intern Somerville, MA
 - Increased search efficacy of FDA databases over 95% by parsing 150,000+ scraped PDFs into indexed text, enabling company researchers to have a better understanding of competitors' products
 - Extracted diagnoses from radiologist reports using natural language processing techniques with 100% testing sensitivity to automate ground truth labeling efforts and presented findings to company executives. Medical data security and safety prioritized throughout the process
- Code Platoon** June 2023 – Aug 2023
Full Stack Instructor Chicago, IL
 - Taught algorithms, data structures, React, and Django to over 40 U.S. military veterans and spouses, enabling their success in the tech industry
 - Led collaborative group coding projects to completion 3 days a week and held office hours for 18 hours a week
 - Co-advised over 40 full stack final projects deployed with AWS EC2 that demonstrated the students' newly attained skills

TECHNICAL SKILLS

- Languages:** Go, Swift, Python, Java, C/C++, SQL, JavaScript/TypeScript, R, MATLAB, Racket
- Libraries & Tools:** Terraform, AWS, Git, Docker, NumPy, Pandas, Scikit-learn, PyTorch, React, NodeJS, Flask, Django, Selenium, Twilio, Stripe, Netlify, Supabase, PostgreSQL

PROJECTS

- CronGrid Model Context Protocol Server** July 2025
Generative AI Tool Integration — smithery.ai/server/@chaser164/crongrid-mcp Python (FastMCP), Claude.ai
 - My response to Twilio's "Track Jacket" challenge, served on the cloud via Smithery for easy distribution
 - Integrated cron-job.org and SendGrid APIs to create an email-scheduling suite powered by large language models
- The Scroll Toll** December 2024
Early-Stage Non-Profit Startup Co-Founder Python (Django), TypeScript (React Native), Swift
 - Leading development on Gen Z-focused app encouraging mindful screen time habits and community engagement
 - Designed with Figma, featuring Stripe integration, iOS Screentime API, RESTful API design, relational database design, and token authentication
- EJ Marey-inspired Amtrak Train Data Visualization Website** November 2024
Full Stack Project — amtraklive.com Python (Flask), R (ggplot2), JavaScript (React)
 - Published a dynamic data visualization website of Amtrak's northeast regional train corridor to visualize train routes in live time.
 - Deployed an API on AWS EC2 instance to automate R scripts and dynamically scrape Amtrak websites every minute.
- PuppyFinder** Mar 2024
Deep Learning Project Python, PyTorch
 - Trained convolutional neural network with thousands of pre-processed dog images from 100+ breeds
 - Developed a model with over 94% classification accuracy, leveraging stochastic gradient descent and the cross entropy loss function