# Connor Maas

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Portfolio: connormaas.com/#portfolio

## EXPERIENCE

**SERVICENOW** | Software Engineer                               *August 2024 Start Date | Santa Clara, CA*
- Contributing to development and enhancement of AI-powered search service as part of small team
- Integrating generative AI and new features, focusing on performance, scalability, and automation

**CONKAD BUSINESS GROUP** | Chief Technology Officer           *January 2023 - June 2024 | San Francisco, CA*
- Spearheaded development of mobile social networking app, built with React Native, launching in Spring 2024
- Crafted backend using Node.js, devised 9-factor friend suggestion algorithm, utilized Docker for containerization
- Deployed on Google Cloud Run, set up CI/CD pipelines, assured quality with 110+ unit and E2E tests via Jest and Detox
- Integrated 5 key features: live messaging, content creation, in-app purchases, push notifications, Firebase security rules
- Managed 5-member design and development team, accomplishing 95% weekly sprint success
- Surveyed 2000+ people for initial design, working closely with marketing and business teams

**PAYPAL** | Software Engineer Intern                          *May 2022 - August 2022 | Remote*
- Collaborated with team of 8 developing API gateway designed to streamline internal integrations
- Constructed and containerized algorithm-based Slack bot in Python launched for use by 40+ engineers across 5 teams
- Enabled automated monitoring of pull requests, fix suggestions, and evaluation of 100+ requests regarding API changes
- Procured additional role on product globalization team, generating module content for 50+ new software engineers on technical training and introduction to PayPal's API architecture
- Received return offer but chose to diversify career experience by exploring startup opportunity at ConKad

## EDUCATION

**CARNEGIE MELLON UNIVERSITY**                               *August 2020 - May 2024 | Pittsburgh, PA*
Bachelor of Science in Computer Science
- Hold degrees in Computer Science and Music Technology through CMU's BCSA program
- GPA: 3.7/4.0
- Achievements: earned Dean's List for 5 semesters, elected as President of CMU Pi Kappa Alpha Fraternity
- Relevant coursework: Parallel and Sequential Data Structures and Algorithms, Designing Human Centered Software, Great Ideas in Theoretical Computer Science, Introduction to Computer Systems, Functional Programming, Natural Language Processing, Machine Learning in Practice

## PROJECTS

**PROXY**                                                               *May 2022*
- Created web proxy in C, handling HTTP binary and text data requests from 1000+ concurrent clients using threads
- Incorporated shared cache library between all threads to store 100+ server responses for identical requests

**SHELL**                                                               *April 2022*
- Assembled Unix command-line shell in C to interpret user input and execute 6 built-in and 3 user-driven commands
- Established IO redirection and signal handling, handles 1000+ concurrent foreground and background processes

**MALLOC**                                                              *March 2022*
- Implemented malloc, calloc, realloc, and free with 100% behavior consistency to C standard library functions
- Combined segregated free list, mini-blocks, and best-fit policy to achieve 90% consistency in utilization and performance

**BUGGY RANDOMIZER**                                                    *October 2021*
- Engineered robust CMU Buggy scheduling app with 3 custom libraries for animations, document generation, and emails
- Formulated 14-parameter randomization algorithm in Python, adopted for weekly by 3 distinct organizations

**TANKS**                                                               *November 2020*
- Developed tank-based game in Python featuring 9 user commands for seamless player control and missile firing
- Introduced variety with 2 enemy tank types, powered by 10+ algorithms for autonomous navigation and targeting

## SKILLS

**LANGUAGES AND TECHNOLOGIES** Python • C • C++ • JavaScript • HTML • CSS • SQL • Git • Google Cloud Platform

**FOUNDATIONS** Data Structures • Algorithms • System Design • Object-oriented Programming • Functional Programming Systems Programming • Web Development • Full-stack development • CI/CD • Database Management