Connor Maas

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Portfolio: connormaas.com/#portfolio

EXPERIENCE

SERVICENOW | SOFTWARE ENGINEER *August 2024 Start Date | Santa Clara, CA*
- Joining AI Search (AIS) team: key in developing AI Search service, essential for the ServiceNow Platform
- Helping to: integrate generative AI and new features, enhance performance, scalability, and automation

CONKAD BUSINESS GROUP | CHIEF TECHNOLOGY OFFICER *January 2023 - Present | San Francisco, CA*
- Spearheaded development of mobile social networking app Flik, 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 organization-wide 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
- Pursuing rigorous dual degree program BCSA with concentrations in Software Engineering and Music Technology
- 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