CHARIS GINN, SOFTWARE ENGINEER

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SKILLS

Technical Skills. React-Redux, Ruby on Rails, JavaScript, Node.js, HTML, CSS, Git, PostgreSQL, Rspec, Capybara, Heroku, MongoDB
Some Experience. Java, PowerShell, Swift, Python, NoSQL databases

EDUCATION

App Academy   Spring 2021
Full-Stack Software Engineering Program
Course Highlights: Databases - APIs - User Auth - UI/UX Design - Test-Driven Development - DRY code - MVC frameworks
Experience: Coding in professional environment, pair programming, project collaboration, managing shared projects via GitHub

Northwestern Oklahoma State University / Southern Polytechnic University   Fall 2016 - Fall 2020
B.S. Computer Science, B.S. Mathematics
Course Highlights: Programming in Swift - Databases - Web Design - Discrete Mathematics - Modern Algebra
AFROTC: Offered full-ride scholarship by the USAF - Distinguished Graduate (top 5%) from 2018 Field Training at Maxwell AFB
Academic Awards: 4.0 GPA for both degrees - President's or Dean's List every semester - 5-10 merit-based scholarships including full-tuition HOPE scholarship - Outstanding Mathematics Student 2019-2020

PROJECTS

Align Financial | Live | Git   **PostgreSQL, Ruby on Rails, Node.js, React-Redux**
A clone of the online financial institution Ally Bank with fully operational CRUD features for users, accounts, and transactions
• Used the Redux store to limit backend requests and to manage UI features including modals, dark mode, and accessible mode
• Implemented backend authentication pattern in Ruby on Rails including password encryption and session cookies
• Employed asynchronous programming to simulate periodic interest accrual and to force logout when user remains idle

TracNova | Live | Git   **MongoDB, Express, React, Node.js**
A habit-tracker app that accepts daily entries for and calculates the correlations between multiple factors
• Coordinated plans and delegated tasks as the project manager of a group to complete a full-stack project in under a week
• Wrote custom statistics functions to calculate Phi and Point-Biserial Coefficients in order to handle binary data
• Utilized React Hooks to implement a dynamic graph that re-calculates based on factors that can be dragged onto it

Frontend and Scripting Projects   **Vanilla JavaScript, HTML, CSS**
• An animated graph of the Time Value of Money at a given interest rate over a given period of time (Live | Git)
• A weather alert system that checks hourly for significant weather events in 7 cities and sends text alerts to specific users (Git)

WORK HIGHLIGHTS

Instructor - Full-Stack Software Engineering   San Francisco, CA
App Academy, May 2021 - present
• Instruct students on both high-level concepts and real-life practice of software development through lecture and study sessions
• Provide individual guidance to students during coding exercises, data structures and algorithms, and full-stack projects
• Enforce rigorous academic standards while using holistic strategies to foster success of students from varied backgrounds
• Promoted within first two months for initiative, high student ratings, and going above and beyond original position's duties

System Analyst   Alva, OK
Northwestern Oklahoma State University I.T. Department, Jan 2020 - Sep 2020
• Implemented the transition of classroom video conferencing hardware from PolyCom to Zoom Rooms across 3 campuses
• Wrote PowerShell scripts to regulate student and alumni MS Office subscriptions
• Displayed enthusiasm, flexibility, and leadership in a severely understaffed department without any training or onboarding

TUTORING / VOLUNTEER EXPERIENCE

Varisty Tutors, TutorMe.com: Statistics, Computer Science, Discrete Mathematics, Calculus I-II (avg rating = 5.0/5.0)
Supplemental Instruction, KSU: Calculus II (awarded Rookie of the Semester for highest attendance rate)
AmeriCorps: Tutored 15-20 high school dropouts earning their diploma through the Oklahoma AmeriCorps program (2019)