

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. PowerShell, Java, Swift, Python

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-Only 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 6 cities and sends text alerts to my husband ([Git](#))

WORK HIGHLIGHTS

Junior Instructional Assistant

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
- Answer student questions, grade exams, and provide support to senior instructors
- Show initiative by volunteering to host weekend office hours and by lecturing (a senior instructor duty) within 2 weeks of hire

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

TutorMe.com, Varsity Tutors: 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)