**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](https://align-financial.herokuapp.com/#/) | [Git](https://github.com/Eruanne2/AlignFinancial) **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](https://trac-nova.herokuapp.com/#/) | [Git](https://github.com/Eruanne2/TracNova) **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](http://eruanne2.github.io/Time-Value-of-Money-Visualizer) | [Git](https://github.com/Eruanne2/Time-Value-of-Money-Visualizer))

• A weather alert system that checks hourly for significant weather events in 7 cities and sends text alerts to specific users ([Git](https://github.com/Eruanne2/WX-Alerts))

# 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)