JUSTIN P. DICKERSON

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EDUCATION

Bachelor of Science in Computer Science   Sep. 2022 - Present
Oregon State University, Corvallis, Oregon

EXPERIENCE

Oregon State University, Remote   Mar. 2024 - Present
Undergraduate Learning Assistant
- Facilitated teaching for CS 340: Introduction to Databases. Held office hours to assist students learning the SQL language and relational database concepts in two hour blocks, listening to questions and giving detailed guidance.
- Graded assignments for approximately 30 students and around 15 final group projects involving database and frontend each term.
- Developed an advanced debugging guide for students and provided advice/assistance to students about/related to debugging final projects, guide has over 100 views each term and endorsed by professor(s).
- Grader for CS 362: Software Engineering 2. Held office hours giving guidance within implementing various testing techniques.

Studios Partner, Prota Ventures, Remote   Mar. 2022 - Present
Ruby on Rails Developer
- Expanded system tests suite using Rspec and Capybara between 7 tests and factories leveraging factory paradigm. Updated validation within various controllers & models along with helper text within .erb partials, both tasks were completed within first 5 weeks of onboarding

Consultant, Remote   Jan. 2019 - Mar. 2022
Android Engineer
- Created ringtone app developed in Kotlin. The ringtone app will allow users to sample, sort, download, and set ringtones.
- Streamed sampling of potentially hundreds of ringtones via ExoPlayer library and implemented download and set ringtone functionality.
- Handled user navigation via a Navigation Component library & bottom navigation utilized Material Design for setting ringtones by users.
- Created a custom toolbar and overflow menu, various UI layouts deploying constraint layout, and user stories & posted to a Jira board.

PROJECTS

- Professional Website (https://www.justinpdickerson.com): Website using MERN stack along with Next.js. Status: Active Development
- Cognitive Facets: Implementation of a data gathering tool for analyzing facets affecting CS Students in Next.js, original code ported from PHP. Status: Spun off into a different project without a database. (https://github.com/PamVanLonden/cognitive-styles)
- Speed Score (Vertical Integrated Project/Capstone), 100's-1000's of active users: Responsible for initial mockups and Live implantation via Server Side Events of a Feed (Front End) in utilizing the React.js Framework. Notable features initially implemented included displaying rolling dates and times, along with a pathway for complex data fetching for a future developer. Additionally, was part of a 4 person sub team communicated with project owner. Status: Active Development, feature responsibility passed onto a future developer.
- Relational Adapter/Facade: Project of curiosity related to bridging a gap between relational and non-relational databases (fetching non-relational data, relationally). Status: Active Development