

---

## EXPERIENCE

---

### Equips

*Full Stack Engineer*

Remote

*Jul. 2021 — Present*

- Design and implement new features using TypeScript, React, GraphQL, and AWS DynamoDB
- Created homepage dashboard to present customers concise views of essential info
- Architected the replatform of the Equips GraphQL API using PostgreSQL and GraphQL Nexus

### University of Arizona — Financial Services

*Applications Systems Analyst/Developer*

Tucson, AZ

*Jul. 2019 — Jul. 2021*

- Lead development team in the design, development, and deployment of Python and JavaScript web applications
- Reimplemented the university's Tuition Calculator to better accommodate an increasingly complex tuition structure
- Led design and development of a new application to manage and automate the creation of tuition rates (up to 15,000 per year), resulting in the fastest ever turnaround of a semester's tuition
- Rewrote Django applications using AWS Lambda serverless functions, reducing hosting costs by over 95%
- Developed a drop-in replacement for the legacy purchasing-card audit platform, reducing application response times by 80% on average

### 2U

*Teaching Assistant — University of Arizona*

Tucson, AZ

*May 2019 — Jul. 2020*

- Assisted instruction of full-stack web technologies (e.g. React, Express, Node.js, SQL, MongoDB) in a fast-paced, in-person coding bootcamp
- Prepared and presented lectures on fundamental version control concepts and Git usage
- Guided students through mock interview code challenges and the approaches to solving them
- Authored supplemental resource list to guide students toward continued learning after their graduation
- Provided constructive, motivating feedback on homework to improve student understanding and the resulting code

---

## PROJECTS

---

- **Gojira:** A GitHub application which creates an interface between GitHub and Jira issues. Expands issue cross-references and transitions issues via comment or pull request events. Provides a comfortable union between high-level project management items and technical development tasks. Built with TypeScript, Express, and Docker.
- **gatsby-starter-stripe:** An open-source starter for a statically-generated, live-updated, serverless storefront and admin dashboard. Built-in inventory, cart, and checkout is integrated with Stripe for payment processing. Built with Gatsby, React, GraphQL, and AWS Lambda.
- **Castaway:** An app to discover, subscribe, and listen to podcasts. Features a responsive podcast player with variable playback speed and progress tracking. Built with Ruby, Rails, Docker, and StimulusJS.
- **lizard.js:** A configurable, procedurally animated, vector gecko follows the visitor's cursor using only web technologies: JavaScript and HTML Canvas. Vector geometry precludes the need for more complicated inverse kinematic math. Built with Alpine.js and paper.js.

---

## SKILLS

---

- **Languages:** TypeScript, JavaScript, Python, Ruby, SQL, GraphQL
- **Technologies:** React, Vue, Django, Rails, Express, AWS, DynamoDB, Elasticsearch, Serverless, Git, GitLab CI

---

## EDUCATION

---

### University of Arizona

*Bachelor of Science in Environmental Science*

Tucson, AZ

*Aug. 2012 — May 2017*