

## Experience

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### **Development Lead, Engagement Coordinator** *Christians on Campus* **July 2022 - Present**

Championed development and adoption of new systems to streamline student engagement. Conducted multiple weekly 1-on-1 appointments fostering an inclusive environment through addressing academic, financial, social, and faith-based challenges with empathy, diplomacy, and discretion to drive student success.

- **Bible Reading Challenge System** php | SQLite | Javascript | Cloudflare | Nginx  
Personally owned the implementation of a SaaS platform to foster and coordinate group reading schedules for 40-100 participants with complete branding customization, real-time collaboration, statistical insights, email reminders, multi-schedule management, and automated engagement. Increased participation by 115%.

### **Full Stack Developer** *Creative Sites Media, Inc.* **Jan 2019 - Aug 2020**

Working with designers, I end-to-end owned all of the following in multiple systems: researching domains, architecting systems, developing and modeling database schemas, serving as the technical lead in development, and releasing:

- **Customer Relations Management System** Lambda | Serverless MySQL | Vue.js | Cognito | Cloudformation  
A 100% AWS serverless system (API, database, crons, frontend, authentication) for managing customer leads and follow-up communication.
- **Digital Asset Management System** php | MySQL RDS | Apache | Vue.js | EC2 | Lambda | S3 | Google Vision AI  
Organizes digital assets in a modern web interface with features including upload and download, public and private sharing, machine learning-based tagging, fuzzy searching in Elasticsearch, email notifications, file versioning, automatic conversions with imagemagick and ffmpeg, and archive extractions. Served 100s of internal users.
- **Engineering Change Notice System** NodeJS | MySQL | Vue.js | GraphQL  
System to interface with PLM software automating the assignment of internal processes regarding engineering change notices. Saved 100s of internal users from an email chain, increasing efficiency by 80%.
  - Supporting technologies included AWS AppSync, OAuth, API Gateway, and Cognito for authentication and API routing, Vue.js/Vuex and Vue router for the frontend, S3 for file upload and download, pdf.js for PDF editing, and the Materialize CSS framework.

Served as the primary maintainer of the following existing systems, fixing bugs and adding new features:

- **Backorder System** php | MySQL | JQuery | Google Charts  
Worked directly with clients to define business and functional requirements with rapid prototyping to provide data-driven actionable insights to product manufacturing deficiencies
- **Grain Inventory Management Mobile App** AngularJS | Ionic | Cordova | SQLite | Twilio API | MySQL

Other team projects included:

- **Meeting Space System** NodeJS | Socket.IO | Express | Raspberry Pi | Redis | Firehose  
Responsive web statistical dashboard for (100s events/sec) management of events across IOT networks

### **Application Developer Intern** *Discover Financial* **June 2018 - Aug 2018**

Worked double time across two agile teams to maintain core credit card and banking systems in Java and Spring Boot

- Performed cross-domain research in a focus team to find opportunities for entering new markets to a board of directors

## Education

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### **B.S., Computer Science** *Illinois State University* **Aug 2015 - May 2019**

4.0 GPA, Dean's List 8 Semesters, 4-year winner of the Integrity Technology Solutions Scholarship, and Mobile App Development contest finalist. Additional, unrequired electives taken in distributed systems, parallel computing, artificial intelligence, machine learning, mobile development, cloud computing, database systems, and software design patterns

- Coursework included a variety of technologies leading to familiarity with Python, C, C++, Java, PostgreSQL, Memcached, SageMaker, CloudFormation, Azure Cognitive Services, Firestore, React Native, and Java Spring

### **Biblical Truth and Church Service Training** *Anaheim, CA* **Aug 2020 - July 2022**

Two-year post-graduate leadership training program. Curriculum includes theological courses, community engagement, and character training.

- Managed a team of 30 with its hardware and software processes for the recording, editing, archival, and distribution of 200 hours of class recordings.