Liam Niehus-Staab

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Experience

Full Stack Software Engineer *Remote*

EAVE TECHNOLOGIES *July 2023 - February 2024*
- Headed product R&D after pivot to analytics, creating proofs of concept for tracking database changes, and HTTP requests
- Owned code documentation automation product, supporting writing code docs in 13 of the most popular programming languages
- Created dashboard web app with React.js and CSS flex-box to display the customer control panel for our product
- Created PostgreSQL database relations and CRUD APIs in Python FastAPI and Express.js
- Automated CI tests using Google Cloud Build and Docker
- Implemented Slack OAuth signin for the Eave website

Software Engineer II (iOS) *Remote*

HONEY (PAYPAL) *February 2021 - July 2023*
- Maintained automated deployment processes, and internal Slack bots, for Honey iOS and Android apps.
- Architected and built automated translation system in JavaScript for Honey mobile apps, saving 6 hours of dev time each release
- Developed product detail and checkout page UI using Swift and Xcode for the Honey iOS app
- Ported the product detail page from React Native to native Swift
- Created publishing pipelines with Jenkins and GitHub Actions to enable sharing mobile code between Honey and PayPal

Software Engineering Intern *Mountain View, CA*

HYTRUST INC. *June-August 2019*
- Used openAPI to make public Python Django API self-documenting, greatly accelerating documentation updates
- Increased products' network security by integrating SSL certificate validation between linked cloud VMs, utilizing openSSL

Co-Founder and Full Stack Developer *Grinnell, IA*

GRAMMIEGRAM LLC *April-August 2018*
- Developed the backend database design for user preferences using Python and Django
- Designed frontend UI for the contact management page using JavaScript and Bootstrap
- Constructed and maintained pytest unit testing for the GrammieGram web app

Projects

partyq Android App *Fall 2020*

(SIDE PROJECT)
- Distributed music queue mobile app that connects guests via bluetooth/wifi and plays music through the Spotify dev SDK
- Developed in Kotlin using MVVM design pattern and released as open source
- Used GitHub Actions and Fastlane tools to automate releases to the Play Store
- See project at https://github.com/niehusst/partyq
- See on Google Play Store at https://play.google.com/store/apps/details?id=com.niehusst.partyq

Compliance Accomplice *Oct 2018*

HACKUIOWA
- Developed email middleware using Python to detect and prevent SEC compliance violations using Natural Language Processing
- Won "Best Commercial Potential" and "Best use of Google Cloud" awards
- See project at https://github.com/niehusst/ComplianceAccomplice

Education

Grinnell College, Bachelor's Degree *Grinnell, IA*

COMPUTER SCIENCE MAJOR *2016-2020*
- Major GPA: 3.76   Overall GPA: 3.6

Skills

Programming Languages Python, Swift, Kotlin, JavaScript, Java, C

Web Django

Mobile Android Native, iOS Native