

Liam Niehus-Staab

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Experience

Software Engineer II (iOS)

Remote

HONEY (PAYPAL)

February 2021 - Present

- 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 pipeline with Jenkins to make sharing iOS and Android SDKs between Honey and PayPal possible
- Led multiple team culture/bonding activities, including regular bookclub and happy hour meetings

Software Engineering Intern (Android)

Remote

HONEY (PAYPAL)

June-September 2020

- Fixed all critical accessibility issues in the Honey Android app for screen readers, keyboard navigation, and large font sizes
- Developed automated Espresso UI tests for the app that run in CircleCI CI/CD pipeline
- Built a shared UI component showcase in Kotlin, enabling greater reuse and design consistency

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 Accomplish

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/ComplianceAccomplish>

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