Ethan **Houston**

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EDUCATION

THE UNIVERSITY OF TEXAS AT AUSTIN
B.S. IN COMPUTER SCIENCE
May 2022 | Austin, TX
Cum. GPA: 3.85 / 4.0

ORGANIZATIONS

Information and Systems Security Society - President
Lambda Alpha Nu- President

COURSEWORK

Virtualization
Independent Research
Programming Languages (grad)
Networks
Intro to Security
Operating Systems
Computer Architecture
Data Structures
Probability and Statistics
Linear Algebra
Algorithms and Complexity
Multivariable Calculus
Discrete Mathematics
Databases (TA)
Stanford CS106A (Section Leader)

SKILLS

LANGUAGES
Python • Swift • Haskell • Lisp
Javascript • Java • C • LaTeX
SQL • HTML • CSS

FRAMEWORKS
Flask • Django • React
Angular • Node.js • iOS
Android

TOOLS
Docker • PyTorch • GCP
Firebase • Node • Jupyter
GraphQL • AWS • Git

AWARDS

SCHOLARSHIPS
Schlumberger Founders
Parker Skiba Memorial

EXPERIENCE

BLEND LABS | SOFTWARE ENGINEERING INTERN
May 2021 – Present | San Francisco, CA
- Currently working on Application Platform team automating the code generation of internal SDKs

LUMOS IDENTITY | SOFTWARE ENGINEERING INTERN
June 2020 – Present | Stanford, CA

- First engineering hire. Played key role in building MVP and launching with 6 initial customers leading to a $5M investment from **a16z**
- Owned the **integrations** effort allowing customers to connect to external services such as GSuite and Okta, OneLogin, and others
- Developed end-to-end data pipeline to obtain metadata on 200,000 unique applications

CHARTMETRIC | SOFTWARE ENGINEERING INTERN
May 2019 - Aug 2019 | Sunnyvale, CA
- Restructured Python data ingestion pipeline resulting in **75%** overall speed increase in hourly data retrieval from Spotify, Apple Music, etc.
- Deployed cross-genre music recommendation ML model
- Implemented CI/CD pipeline using **CircleCI**
- Added ability for customer teams to create and share annotated, interactive visualizations across the product using Angular.js and Node.js

WATSHOUT | SOFTWARE ENGINEERING MANAGER, CO-FOUNDER
Mar 2018 - Oct 2019 | San Francisco, CA
- Developed minimum viable product for Android and web apps before **recruiting and managing** a team of nine software developers to increase feature set
- Raised **$50k** in pre-seed funding

RESEARCH

WIRELESS NETWORKING & COMMUNICATIONS GROUP | UNDERGRADUATE RESEARCHER
April 2020 – Present | Austin, TX
Currently working with **Dr. Lili Qiu** and **Dr. Mikyung Han** on a paper relating to wireless health sensing with an emphasis on **automatic speaker recognition**

PROJECTS

FEVERBASE | CLINICAL TRIAL SEARCH ENGINE
Apr 2020 – Present | MongoDB, Flask
Built the world's largest aggregation of COVID-19-related clinical trails from around the world. Available at feverbase.org

RECORDA | RECORD YOUR PREFERENCES, PRIVATELY
Dec 2018 – Present | iOS, Flask
Mobile-first iOS app to privately store personal preferences

GPX-CSV CONVERTER | PYTHON PACKAGE
June 2018 | Python
Simple package to convert files between GPX and CSV file formats. 10,000+ downloads on PyPi