Ethan Houston

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EDUCATION

THE UNIVERSITY OF TEXAS AT AUSTIN

BS in Computer Science
May 2022 | Austin, TX
GPA: 3.93/4.0
Information and Systems
Security Society (Corporate Officer),
Lambda Alpha Nu (CS fraternity)

HENRY M. GUNN HIGH SCHOOL

May 2018 | Palo Alto, CA

INTERNATIONAL SCHOOL OF BEIJING

June 2017 | Beijing, CN

COURSES

Operating Systems (Fall 2019)
Linear Algebra (Fall 2019)
Computer Architecture
Data Structures
Discrete Mathematics
Probability and Statistics
Multivariable Calculus
Statistics in Market Analysis

SKILLS

LANGUAGES

Python • Lisp • Javascript
Java • C • SQL • Swift

TOOLS

Flask • React • Docker • Angular
HTML • CSS • Node • Jupyter
Chrome Headless • GCP • Git
Vim • NumPy • ZSH • UNIX
Firebase • Neo4j • Pytest • CircleCI
XCode

AWARDS

Parker Skiba Memorial Scholarship
Schlumberger Founders Scholarship

EXPERIENCE

CHARTMETRIC | Software Engineering Intern

May 2019 - August 2019 | Sunnyvale, CA
- Helped deploy music recomendation **Machine Learning** model to production using **Pickle** and **Flask**. Packaged it into a consumer-facing **React** web app
- **Dockerized** above web app and set up **continuous deployment** using **Google Cloud Platform** and **Git hooks**
- Wrote a scraper for TikTok (highly requested from customers) using **Chrome Headless** to collect track-level information
- Implemented dashboard note-sharing feature with **Angular.js** and **Node.js**

WATSHOUT | Software Engineering Manager, Co-Founder

March 2018 - August 2019 | San Francisco, CA
- Developed minimum viable product for **Android** and **web** apps before recruiting and supervising a team of nine software developers to increase feature set
- Forged connections with Google's **Cloud** and **Map** teams, had weekly meetings to ensure cloud strategy was on track
- Faciliated communication between developers and designers in order to quickly and efficiently implement neew designs

IODINE SOFTWARE | Data Science Intern

April 2019 - Present| Austin, TX
- Aided in training of Natural Language Processing pipeline to extract relevant information from health records

PROJECTS

RECORDA | Record your preferences, privately

December 2019 - Present | React Native, Flask, Neo4j, Docker
- Mobile-native **iOS** app built to securely store ratings (e.g. food, movies)
- Integrated **Continuous Deployment** using Docker, Cloud Build, and Cloud Run

GPX-CSV-CONVERTER | Python package

June 2018 | Python, Pandas
- Convert GPX files from running/cycling apps into CSV format for data analysis
- 5,000+ downloads on PyPi - pypi.org/project/gpx-csv-converter/

RESEARCH

STANFORD BIOENGINEERING | Machine Learning Assistant

January 2018 – March 2018 | Stanford, CA
- Used game film, mouthguard-sensor data, and **Python** to analyze traumatic head impacts in Stanford football players
- Created visualizations of head-impact location based on player position