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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

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

EXPERIENCE

CHARTMETRIC | Software Engineering Intern
May 2019 - August 2019 | Sunnyvale, CA
- Wrote web scrapers using Chrome Headless
- Implemented note-taking system used by dozen's of clients
- Improved ISRC matching from by 50%

IODINE SOFTWARE | Data Science Intern
April 2019 - Present| Austin, TX
- Aided in training of neural network to assist with health records

WATSHOUT | Software Engineering Manager, Co-Founder
March 2018 - Present | 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

PROJECTS

RECORDA | Record your preferences, privately
December 2019 - Present | React Native, Flask, Neo4j, Docker
- .

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