EDWARD HU

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Education

- **The University of Texas at Austin**—Austin, UT
  Majoring in Computer Science and in Mathematics
  - GPA: 3.72
  - Projected Graduation Date: May, 2020

Experience

- **UT Computer Science Department**—Austin, UT
  Student Researcher: August 2016–present
  - Configure Raspberry Pi to cooperate with camera module
  - Utilize Unix thread to increase algorithm efficiency
  - Develop toolchain to automate 3-D printing error detection
  - Implement neural network in Python

- **Lenovo**—Chengdu, China
  Marketing Intern: May, 2014–July, 2014
  - Automate marketing research analysis using Python
  - Participate in the promotion of Thinkpad X1 Carbon

Projects

- **PintOS:**
  - Implement shell, threads, system call, virtual memory, and file system to create a bootable operating system

- **Parallel K-means algorithm**
  - Using Unix threads and concurrency technique to parallel k-means algorithm to achieve scalability

- **File compressor**
  - Using Haffman coding to reduce file size

Relevant Classes

- Concurrency, Principles of Computer Systems, Computer Organization and Architecture, Algorithms and Complexity, Computational Intelligence in game AI, Data Structure

Skills

- **Tools:** Linux (Ubuntu and Debian), UNIX (several variants), Git, Vim
- **Computer Languages:**
  - Proficient in C, C++, Java, Python, LaTeX, UNIX Shells
  - Familiar with Swift, Go, x86 assembly