Amy Huang

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EDUCATION

Harvey Mudd College, Claremont, CA   **Expected May 2018**
B.S., Computer Science and Mathematics
Cumulative GPA: 3.6/4.0

SELECTED COURSEWORK

Advanced Topics in Algorithms (in progress) | Statistical Linear Models (in progress) | Algorithms
Programming Languages | Artificial Intelligence | Data Structures | Computer Systems | Real Analysis
Abstract Algebra | Discrete Mathematics | Logic & Computability | Linear Algebra | Topology

SKILLS

Python | C++ | C | Haskell | Java | JavaScript | Lua | HTML/CSS | Git | SVN | R

EXPERIENCE

Harvey Mudd College Clinic Project, Lawrence Livermore National Labs   **Fall 2017 - Present**
  • Developing a machine learning algorithm that runs within a multi-physics simulation
  • Exploring methods for learning in distributed memory parallel contexts

Researcher in Scheduling Problems at Harvey Mudd College   **Summer 2017**
  • Analyzed and defined what flexibility in a scheduling problem should measure
  • Pending publication on geometric methods of measuring the flexibility of a schedule

Avionics Software Engineering Intern at Northrop Grumman   **Summer 2016**
  • Built cockpit display components involving pilot interaction and data entry
  • Designed an interface for testing cockpit displays
  • Wrote test requirements used in automated testing

PROJECTS

Location-Based File Sharing, Harvey Mudd College   **Summer 2015**
  • Designed and developed a website allowing people to share files in their geographic proximity
  • Wrote the framework for uploading files and their corresponding locations
  • Presented the prototype at two Harvey Mudd Entrepreneurial Network conferences

ACTIVITIES

Computer Science Grader and Tutor at Harvey Mudd College   **Jan 2015 - Present**
MCM/ICM (The Mathematical Contest in Modeling)   **Mar 2017**
  • Modeled traffic flow from a toll plaza (team of 3)

HONORS & AWARDS

Clare Booth Luce Scholarship
Dean's List, Harvey Mudd College
National Merit Finalist