Shunhua (Sam) Fu

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Objective

To obtain a summer internship in computer science where I can acquire technical and interpersonal skills through experience in real-world situations

Education

University of Illinois — Urbana-Champaign, IL
Bachelor of Science, Computer Science — May 2017
Year: Freshman with sophomore standing
Honors: University of Illinois Chancellor's Scholar, University of Illinois Engineering James Scholar

duPont Manual High School — Louisville, KY
GPA: 3.92/4.00 — August 2009 – June 2013
Honors: Valedictorian, 2013 National Merit Finalist, 2012 National AP Scholar, Kentucky Governor's Scholar, Kentucky Commonwealth Ambassador

Projects

ENG 100 Personal Website — August 2013 – Present
Experimenting with various web development ideas and techniques using HTML, CSS, and JS

Android App Development — June 2013 – Present
Developing an Android app visualizing a depth-first search using OpenGL ES 2.0

IEEE Hackathon 2013 — September 2013
Created a server-client Java application that streams music between computers and syncs libraries and queues

Work Experience

duPont Manual High School/Greater Louisville Math League — October 2012 – Present
Software Developer
Created both front end and back end for the GLML website using Scala on the Play Framework
Worked extensively with databases and created algorithms to calculate scores and ranks

University of Louisville/James Graham Brown Cancer Center — June – August, 2010 & 2011
Summer Research Intern
Performed translational research and presented at poster sessions such as Research!Louisville
UofL Prodigy Award For Outstanding Achievement in Clinical and Translational Research 3rd Place

Activities

Association for Computing Machinery — August 2013 – Present
Member, SIGGraph, SIGMusic/SIGCHI, SIGDave, GameBuilders, Admin

Science Olympiad — August 2009 – June 2013
Head Officer, Nationals – Materials Science 6th, Overall 28th

Future Business Leaders of America — August 2009 – July 2013
Parliamentarian, Nationals – Management Information Systems 7th, Parliamentary Procedure 7th

Achievements

North American Computational Linguistics Olympiad Closed Round Participant, 2013
US National Chemistry Olympiad National Finalist, 2012
Xerox Award for Innovation and Information Technology, 2012

Skills

Languages: Java, Scala, Python, HTML/CSS
Multimedia: LaTeX, OpenGL ES 2.0, VPython, Play Framework, Django
Other skills: Familiar with Unix shells and version control systems such as git and SVN