KASI MANIKUMAR

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SUMMARY

I am a 3rd-year undergraduate studying Computer Science and Statistics at the University of Illinois, at Urbana-Champaign. My interests lie in computer architecture and high performance computing. I'm currently looking to learn professional engineering skills and transition into a career in technology through an internship.

EDUCATION

University of Illinois, at Urbana-Champaign, graduation: May 2018
B.S. **Computer Science** and **Statistics**, minor: Mathematics

Courses completed:

Data Structures	Computer Architecture
Systems Programming	Computer System Organization
Calculus I, II, III	Statistics and Probability I, II
Applied Regression & Design	

Courses in progress (to be completed prior to summer):

Parallel Programming	Programming Languages & Compilers
Operating System Design	Numerical Methods
Statistical Programming Methods	Fundamental Mathematics

EXPERIENCE

Technical Analyst Intern, June 2015-August 2015
NetImpact Strategies, Vienna, VA
* Implemented CRM system (SplendidCRM) for client and specialized it according to client's requirements
* Planned and led transition in productivity suites from Google apps to Microsoft 365 for 80+ employees

PROJECTS

* MIPS-Interpreter [WIP]: an interpreter for a subset of the MIPS instruction set. written in C.
* Dynamic-Memory-Allocator: implemented malloc, calloc, realloc, and free with an implicit free list, block coalescing, and block splitting. written in C.
* Transit-Alarm: android app to alert user based on GPS location rather than time. written in Java.
* Shoe-Bot: script to automate the add-to-cart process on nike.com and adidas.com. written in Python.

LANGUAGES/TOOLS/SKILLS

* Languages: C, C++, Java, Python, R, Verilog (for hardware description)
* Tools: git, svn
* Skills: UNIX shell programming, statistical modeling, networking (TCP/UDP), android application development, web-scraping, browser automation

AWARDS

* Eagle Scout - Boy Scouts of America, 2014