Pierce McEntagart

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Education

University of California, Berkeley   August 2012 - Present
- B.A. Computer Science
- Expected graduation date: May 2015

Experience

TigerText: Server Software Engineer Intern   June 2014 - August 2014

Used Erlang/OTP to build two concurrent applications accessible via RESTful APIs
- A service registry for tracking service outages and availability
- A cryptographic identity server for storing public and private keys

Explored randomized testing methodologies
- PropEr: A Quickcheck-inspired property-based testing framework for Erlang

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Skills

Personable Skills
Self-motivated, amiable, passionate, and flexible
Enjoy brainstorming, problem solving in teams

Programming Languages and Technologies
Proficient in: C, Java, Python, Erlang
Productive in: JavaScript
Familiar with: Scheme, SSE Intrisics, OpenMP, D3.js, HTML/CSS, AWS
Misc knowledge: HTTP, TCP/IP, git, mercurial, unix, vim, emacs, debuggers

Notable Projects

kernel syscall handler	reliable transport protocol	CPU datapath design
kernel thread system	nonrecursive bytecode interpreter	bytecode compiler
LISP interpreter	Q-learning agent	HTTP server
distributed database	custom memory allocator	enigma machine
pathfinder	Hadoop MapReduce on Amazon EC2	firewall

Notable Courses

Operating Systems and Systems Programming	Internet Architecture and Protocols
Artificial Intelligence	Programming Languages and Compilers
Algorithms and CS Theory	Machine Architecture

Other Employment

Peet's Coffee and Tea   June 2013 - June 2014
Petaluma Wireless   January 2011 - August 2012