

Christopher Grant Jones

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Education

BS EECS

University of California, Berkeley

Aug 2003 - present

Honors through 05/2007. GPA: 3.892 / 4. Relevant coursework:

- Introduction to Artificial Intelligence, Efficient Algorithms and Intractable Problems, Combinatorics and Discrete Probability, Discrete Mathematics and Probability Theory, Structure and Interpretation of Systems and Signals
- Operating Systems and Systems Programming, Programming Languages and Compilers, Data Structures, Machine Structures, Structure and Interpretation of Computer Programs, Introduction to Microelectronic Circuits
- Multivariable Calculus, Instrumentation/Computer Interfacing, Honors Linear Algebra and Differential Equations, Applied Abstract Algebra

Presentations

- **Browsing Web 3.0 on 3.0 Watts: Why browsers will be parallel.** At Berkeley Open Source Quality Group, September 2007. With Rastislav Bodík.
- **Browsing Web 3.0 on 3.0 Watts: Why browsers will be parallel.** At Intel Research, August 2007. With Rastislav Bodík.

Honors

Vodafone-US Foundation Undergraduate Fellowship	2007
Information Technology Scholarship Award	2006
Golden Key Honor Society Designee (Top 5% of Class)	2004
Edward Frank Kraft Scholarship	2004
National Merit Finalist	2003
Intel Excellence in Computer Science Award	2003
Herbert Hoover Presidential Library Association "Young Engineer"	2003
Society of Manufacturing Engineers Award	2003

Experience

Research Assistant

Berkeley, CA

UC Berkeley

Jun 2007 - Present

Researching parallel web browsers for wireless, mobile devices. Working on parallel lexing, parsing, rendering and script execution. Current project: parallel parsing and lexing.

Courseware Developer / Teaching Assistant

Berkeley, CA

UC Berkeley

Spring 2007

Work included:

- Developed projects for class:
 - Parser for yacc-like grammar specifications
 - CYK parser generator
 - Compiler from Skipjax language (a streaming language for AJAX programming) to JavaScript, including a compiler from Skipjax-templated HTML to JavaScript and HTML
 - Runtime library for Skipjax language
- Helped write homework and exam questions
- Helped write discussion notes and teach sections

Software Engineer

San Francisco, California

Riverbed Technology, Inc.

Jun 2005 - Aug 2006

Member of device management team. Projects included:

- New application framework in C++. Improvement in efficiency and notational convenience.
- CLI command registration/execution language implemented using flex/yacc. 10x+ reduction in lines of code from previous system.
- High performance, embedded statistics database using Berkeley DB.

Skills

Languages: C, C++, G (LabVIEW), JavaScript, Python, Java, HTML/XHTML, Tcl, Lisp, Scheme, \LaTeX , MATLAB/Simulink, x86 asm, MIPS asm, SQL, Prolog, Verilog, Mathematica

Tools: gcc, make/gmake, threading/libpthread, emacs, Berkeley DB (libdb), cvs, svn, POSIX programming, PostgreSQL, Linux kernel, flex/JFlex, bison/JBison, Eclipse, vi/vim