

**Ben Chociej** (.com)

*Computer Engineer*

*Linux Kernel Hacker*

*Software & Web Developer*

**me@benchociej.com**

7715 Keswick Place

Saint Louis, MO 63119

Phone: +1 (913) 777-4BEN

## Experience

- **Juristat** Saint Louis, MO  
*Senior Software Developer* *Aug 2013–present*
  - Develop the frontend UI using AngularJS for Juristat’s patent analytics product.
  - Develop analytics queries to generate client reports with maximum responsiveness.
  - Work closely with sales team to ensure that Juristat’s products are usable and effective.
- **Fusion Marketing** Saint Louis, MO  
*Software Developer* *Feb–Aug 2013*
  - Developed websites and webapps for various digital marketing client projects.
  - Developed interactive touchscreen marketing kiosks targeted at event attendees.
  - Managed Amazon Web Services infrastructure for hosting client projects.
- **Appistry, Inc.** Saint Louis, MO  
*Software Engineer* *May 2012–Feb 2013*
  - Developed frontend and API for Appistry’s computing platform in Java, C++, and web.
  - Spearheaded development of Appistry’s web UI utilizing a mastery of JavaScript, HTML5, jQuery, and Twitter Bootstrap, having become a leader in JavaScript and web development.
  - Prototyped and tested software using Python and Ruby under a complex Ant build system.
  - Drove Appistry’s web UI toward cross-browser compatibility, standards compliance, and modernness, introducing responsive web design, fluid layout, and modern web libraries.
- **IBM Internet Security Systems** Atlanta, GA  
*Software Engineer* *Jun 2011–May 2012*
  - Developed software and web UI for Linux-based firewall and Intrusion Prevention Systems in C, C++, JavaScript (Dojo), and Ruby on Rails.
  - Developed Linux kernel code to integrate crypto hardware (Cavium, Intel QuickAssist).
  - Practiced Agile development and mastered a complex GNU ‘make’ build system.
- **IBM Corporation** Austin, TX  
*Extreme Blue Technical Intern* *Summer 2010*
  - Developed an additional layer for next-generation Linux filesystem ‘btrfs’ that optimizes I/O throughput in mixed hard disk and Solid State Drive (SSD) volumes.
  - Significant experience with C, git, and the open source community.
  - Adhered rigidly to Agile development principles. Frequently presented to executives and stakeholders, and collaborated with IBM Linux Technology Center and the Linux community.
- **Cerner Corporation** North Kansas City, MO  
*Velocity Technical Intern* *Summers 2007–2009*
  - 2009: Performed technical support of Linux, Windows, Citrix, and Cerner Millennium. Wrote Java and PHP solutions for distributing information and software.
  - 2008: Supported client systems directly. Identified and fixed a configuration problem gone unsolved for months. Integrated ad-hoc support software into Cerner’s software suite.
  - 2007: Implemented a new Associate Leave Tracking system in Visual Basic.NET, streamlining complex H.R. processes and ensuring regulatory compliance.

## Education

- **Vanderbilt University** Nashville, TN  
*B.E. Computer Engineering, Mathematics second major* August 2007–May 2011
  - Software design, operating systems, digital design and layout, cryptography, compilers.
  - GPA: 3.0/4.0; GRE: Analytical 800/800, Verbal 620/800 (89%ile), Writing 5.5/6 (94%ile)
- **Oak Park High School** Kansas City, MO  
*College Preparatory Diploma* August 2003–May 2007

## Relevant Skills

**3+ years work experience:** Linux kernel coding, C, C++, Bash, VB.NET, VB6, JavaScript, (X)HTML, CSS, PHP, Java, jQuery. MySQL, L<sup>A</sup>T<sub>E</sub>X. Linux, especially Ubuntu, RHEL, Gentoo, Fedora. VMware ESX, qemu, VirtualBox. gcc, Vim, cvs/svn/git. Agile Development.

**1-2 years work experience:** Bootstrap, AngularJS, Apache Tomcat, UnderscoreJS, AJAX, JSON, Java Servlets, REST, Dojo, GNU make, MVC. Amazon AWS, Ubuntu Server, Windows Server, HP-UX, AIX, RHEL. IBM Rational Team Concert, MS Office. Atlassian Jira, HipChat.

**Latest skills:** Apache Ant, Maven, Python, Flask, Mathematica, Visual Studio 2005, D3, SVG, mercurial, git-flow. Atlassian Bamboo.

**School, lab, and personal experience,** other than listed above: CPU12 and MIPS assembly, MATLAB, VHDL (Cadence), Adobe Photoshop, Autodesk AutoCAD, Quartus II FPGA Design, ModelSim-Altera, RockSim/OpenRocket. Digital/analog scopes, function generators, small electronics repair, SMT soldering.

## Engineering Research & Design

- **Vanderbilt University Aerospace Lab** Nashville, TN  
*Dr. A.V. Anilkumar/NASA University Student Launch Initiative (USLI)* 2008–2011
  - Elected President of the university Aerospace Club and USLI team. Directed rocket design and project management for a rocket-borne alternative energy project. Designed and constructed numerous medium to large-sized rockets for carrying scientific payloads. Instrumented rockets with various sensors and onboard computers.

## Supervisory Experience

- **Vanderbilt University** Nashville, TN  
*Head Resident (supervisory position), Resident Adviser* 2008–2011
  - Provided support, community development, and policy enforcement to students living in residence halls. Promoted to Head Resident in 2011 and supervised a small building staff.

## Awards and Honors

**U.S. patent application,** 2011 (filed). IBM Corporation. *Hybrid Data Storage Management Taking Into Account Input/Output (I/O) Priority*. Application number US 13/233,266.

**The Baton,** 2011. Tau Beta Sigma. Highest national award available to students, given for my leadership in revising the District Constitution that governs chapters in seven U.S. states.

**Best Web Design,** 2010. NASA University Student Launch Initiative (USLI).

## Interests and Activities

Linux/Open Source, Aerospace, Aviation, Firearms & Shooting, Instrumental Music, Amateur Radio, Woodworking, Homebrewing.

## Spoken Language

**English,** American: ILR Level 5, native

**Spanish,** Latin American: ILR Level 3+, exceeds professional working proficiency

**French:** ILR Level 1, elementary