

# MARTIN VELEZ

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## Research Interests

Software engineering, programming languages, computer security, networking, and data mining

## Technical Skills

**Languages:** Ruby, PHP, C, C++, Java, JavaScript, Python, MASM, shell script, L<sup>A</sup>T<sub>E</sub>X, SQL, Spanish

**Web:** (X)HTML, CSS, Apache, jQuery,

**Database:** MySQL, phpMyAdmin, MySQL Workbench

**OS:** GNU/Linux, Windows XP/Vista/7, MacOS X

**Tools:** git, SVN, vim, Eclipse, IDA Pro Disassembler, Microsoft Office, Android SDK

## Education

- **University of California** **Davis, CA**  
*B.A., Economics (with minor in Computer Science) – GPA 3.24/4.00* 2010
  - Focused on economics, mathematics, and computer science

## Experience

- **Computer Science Department, UC Davis** **Davis, CA**  
*Research Assistant* *June 2009 – Present*
  - Developing a Ruby prototype program obfuscation research tool involving C++, JavaScript, Java, x86 assembly, and other programming languages.
- **The Golden 1 Credit Union** **Sacramento, CA**  
*Member Relationship Specialist* *2008, December 2010 – Present*
  - Selling and promoting financial products and services
- **Axiom Software** **Sacramento, CA**  
*Partner* *January 2010 – December 2010*
  - Provided website design and programming services
- **Human and Community Development, UC Davis** **Davis, CA**  
*Research Coordinator* *September 2007 – April 2010*
  - Led development of a LAMP web application which handled all of the personal and appointment data of over 600 families participating in a ten-year \$10M research study
  - Led development of a desktop application used to conduct in-person surveys using the Blaise MVC framework; Wrote Python scripts to collect and organize survey data, and to apply software updates
  - Provided computer technical support, and authored equipment and software training manuals
- **Hispanic Teleservices Corporation** **Zapopan, Jalisco, Mexico**  
*Operations Manager* *October 2005 - June 2007*
  - Led a team of 80+ customer service and collections agents, Supervisors, QA Coaches, and Trainers
  - Managed all client satisfaction issues (productivity, quality, staffing); approximately \$2.4M/year in revenue
  - Nominated for Operations Manager of the Year

## Extracurricular Activities

- Professional Cook (3 years)
- Carpenter's Apprentice
- Computer Science Club Member
- Intramural Indoor and Outdoor Soccer
- Math and Computer Science Tutor
- Open Source Projects (<https://github.com/martinvelez>)