Shane S. Sims

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Emerging software engineer pursuing position in technology industry to apply programming skills, high standard of coding practices, and physics background.

Education

B.S. Computer Science and Minor in Physics, December 2013

   University of California - Santa Cruz

Programming Languages (Ordered most to least experience)

   C, Java, C++, VB, C#, VBA, LC3 Assembly, SQL, Ruby, HTML, CSS, JavaScript, Python, Haskell

Notable Electives

Computer Science and Engineering (Includes programming language(s) used, if applicable)

- Algorithm Analysis
- Operating Systems (C)
- Compiler Design (C)
- Database Systems (MySQL)
- Mobile Applications (Java w/ Android SDK)
- Hypermedia and the Web (Python, HTML, CSS, JavaScript)

Math and Physics

- Quantum Mechanics
- Laboratory Physics
- Multivariable Calculus
- Linear Algebra

Professional Experience

Advanced Industrial Modeling, Inc.

Software Engineer   *July 2014 - Jan. 2015*

   Programmer at consulting company which optimizes chemical and oil refineries.
- Added features and fixed bugs in existing .NET application which is the company's main product.
- Lead engineer of a VSTO Excel Addin which extends the main application.
- Updated development tools used by company's engineers.
- Learned and coded in Visual Basic, VBA, and the .NET framework.
- Applied existing knowledge of C#, HTML, CSS, and JavaScript.

UC Santa Cruz – Jack Baskin School of Engineering

Reader / Tutor   *Sept. 2011 - June 2013*

   Section leader for foundational computer science classes.
- Lectured to 20-30 students in computer labs.
- Tutored students one-on-one.
- Graded programming assignments and exams.
- Maintained course forums.
- Proctored exams.

References available upon request