Christopher Pence

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Summary

Dedicated UCSD Computer Science student seeks a position in software engineering in order to apply CS knowledge.

Highlights

- In-depth Linux exposure in university coursework and through personal use.
- Won "Best Education Hack" at 2016 Hacktech programming competition.
- Personal projects include an assembler, personal programming language, and various web development projects.

Education

B.S. Computer Science — University of California - San Diego
Sep '15 – current, GPA: 3.85

Relevant Coursework:

CSE 30 – Computer Organization and Systems Programming
CSE 21 – Mathematics for Algorithms and Systems
CSE 20 – Discrete Mathematics and Applications in CS Theory
CSE 12 – Data Structures and Object-Oriented Design
MATH 20F – Linear Algebra

Currently taking:

CSE 105 – Theory of Computation
CSE 103 – Introduction to Probability and Statistics

Skills

Highly Experienced with: C, Java, Python

Web Stack: HTML5, CSS3, JavaScript (jQuery)

Capable with: C++, PHP, Matlab, Java AWT

Source Control and Editors: Git, Vim, Atom.io, Eclipse, Visual Studio

Natural languages: English, Spanish (*working proficiency*), Mandarin Chinese (*heritage*)

Employment

UCSD CSE Department — La Jolla, CA
Tutor — *Sep '16 – current*

- Responded to students' inquiries through online Piazza forum.
- Held lab hours for providing one-on-one in-person help.
- Graded assignments and exams.

WhizKidz Computer Center — San José, CA
Instructor — *Jun '16 – Sep '16*

- Constructed curricula for two pilot game development classes.
- Taught Python, Arduino hardware/software development, and HTML/CSS/JavaScript.
- Implemented an account system with permissions and user roles for the company website.

Projects

ProofBuilder: A proof "workbench" written with HTML/CSS/JS that facilitates writing proofs for proof-based classes. Won first place in the Education category at Hacktech '16.

jas: An assembler written in C. Part of a project to design a virtual machine and its instruction-set, with the goal of applying newly acquired knowledge of ISAs.