Samuel Chong Tay

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OBJECTIVE

A dynamic position in software development that allows learning and expanding into new technologies to solve interesting problems.

EDUCATION

Bachelor of Science, 2013
Kenyon College, Gambier, OH
Major: Mathematics
Minor: Scientific Computing
GPA: 3.91
Honors:

COMPUTER SKILLS

Languages & Software: Fluent in Javascript, C++, and PHP. Experience in bash scripting and writing docker compositions.
Operating Systems: Linux and Mac OS.

EXPERIENCE

Senior Applications Engineer May 2014 - Present
Blue Acorn, Charleston, SC

- Extensive Magento development experience both in transforming particular client requirements into custom features and in building abstract reusable modules for use on any client site.
- Contributed to internal infastructure initiatives such as deployment tools, Hipchat Connect addons, and a docker composition-machine management tool.
- Promoted from Apprentice to Applications Engineer II to Senior Applications Engineer within two years

Reporting Analyst September 2013 - May 2014
SIB Development and Consulting

- Built reports using Excel and Acrobat to validate savings for clients.

Math Tutor Summer 2012
Independent Support Services, Rock Hill, NY

- Tutored an autistic client in math and successfully increased placement exam scores, allowing the client to pursue their desired program at the SUNY Nassau Community College.

Research Assistant Summer 2011
AstroParticule et Cosmologie, Paris, France

- Conducted research and data analysis in correlation of temperature variation and phase noise for LOT (LISA On Table), an optical simulator for the LISA mission, under Dr. Hubert Halloin.

Research Assistant Summer 2010
Valparaiso University, Valparaiso, IN

- Explored pattern avoidance in ternary trees (combinatorial mathematics) in a team of three undergraduate students under mentor Dr. Lara Pudwell.

PUBLICATIONS Pattern Avoidance in Ternary Trees, Nathan Gabriel, Katherine Peske, Lara Pudwell, and Samuel Tay, Journal of Integer Sequences 15 (2012) 12.1.5.
`http://arxiv.org/abs/1110.2225`