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

COMPUTER SKILLS

Languages: Fluent in PHP, Javascript, and C++. Experience with Bash, Python, C.
Software: Mastery of Magento and development tools such as git, vim, tmux. Experience with technologies such as Docker, NodeJS, Symfony.
Operating Systems: Linux and Mac OS.

EXPERIENCE

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

- Transformed client requirements into custom features and built abstract reusable modules.
- Contributed to internal infastructure initiatives such as deployment tools, Hipchat Connect addons, and a docker composition-machine management tool.
- Promoted from Apprentice to Senior Applications Engineer within two years.

Reporting Analyst September 2013 - May 2014
SIB Development and Consulting Charleston, SC

- 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.

HONORS AND AWARDS

The Reginald B. Allen Prize, Kenyon College, 2013
The Wendell D. Lindstrom Memorial Prize, Kenyon College, 2011

Undergraduate Poster Session Award, Joint Mathematics Meeting, 2011
Academic Standing - Merit List, Kenyon College, awarded every semester.

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`