

THOMAS ESCH

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EDUCATION

Queens College - The City University of New York, New York, USA

- ◆ Bachelor of Science Degree in Computer Science
- ◆ Expected Graduation Date: Summer 2013
- ◆ Cumulative G.P.A.: 3.79/4.00
- ◆ Major G.P.A.: 3.80/4.00

TECHNICAL SKILLS

- ◆ Python, Java, C/C++, SQL, Linux, Git, Apache, EC2, MySQL Percona XtraDB, Tomcat, MS Excel

WORK EXPERIENCE

CUNY/NYC Office of Emergency Management, Queens, NY

06/2012 - Present

System Administrator

- ◆ Deploy, maintain, and configure Linux servers and emergency management software on Amazon EC2 and VMWare ESXi, running on a LAMP stack.
- ◆ Creating backups, documentation, as well as specific disaster recovery and failover solution plans to ensure 99.9% uptime of the system.
- ◆ MySQL database administration, and design of MySQL cluster hybrid cloud data solution.
- ◆ Working with software developers in order to integrate software and system upgrades with current architecture.
- ◆ Writing scripts in Python and Bash to automate simple to complex tasks.

Research Foundation of The City University of New York, Queens, NY

11/2011 - Present

Research Assistant

- ◆ Supervised by Dr. Bon K. Sy, Queens College, CUNY, New York
Research area: Robotics curriculum. Development of a robotics based curriculum for grades K–5.
- ◆ Research and development of architecture for massively parallel secure computation scheme, involving both system and software optimization in order to reduce total response time of application.

Home Depot, Queens, NY

03/2009 -10/2011

Sales Associate

- ◆ Taught classes on home renovation projects.
- ◆ Awarded “Customer Service All-Star” for the year 2010.

