

Summary of Qualifications

- Student of computer engineering at the Illinois Institute of Technology with a high level of experience working in a professional environment.
- Strong communication and presentation skills, happy to work with customers/clients to assess requirements, design solutions, and provide support.
- Highly proficient with Python, PHP, MySQL, HTML/CSS and many platforms used to build and deploy web-based solutions.

Professional Experience

Programmer

Sieben Energy Associates, March 2015 - June 2015

- Developed import scripts to facilitate energy data acquisition from clients.
- Worked with SkySpark, a proprietary energy analysis software, to parse incoming data and monitor trends in building heating/cooling systems.
- Set up direct connections between client MSSQL database and SkySpark to allow the system to poll for new data automatically, improving work flow and reducing the amount of time spent manually acquiring new data from clients.

Software Engineering Intern

Aggrego, November 2013 - September 2014

- Developed plugins and apps for Django powered events database, including accepting user generated content submissions, geospatial grouping of events for various publications around the world, and deduplication of entries.
- Worked with Wordpress to create a scalable multi-site network of online news publications containing custom content types.
- Developed plugins for wordpress in PHP to support our publications on the web.
- Optimized several existing wordpress plugins to speed up access to database and lower the number of overall queries.

FabLab Intern

Museum of Science and Industry Chicago, May 2011 - August 2013

- Maintained and serviced multiple rapid prototyping systems including laser cutters, 3D printers, vinyl cutters, and 3-axis CNC routers.
- Performed management and troubleshooting of the lab's local computer network and file server.
- Developed many utilities and scripts to help automate lab tasks and manufacturing processes.

Office Assistant

Specialty Foods Group, December 2010 - January 2011

- Acted as an office assistant to human resources
- Developed a number of small macros and programs to help automate routine HR tasks
- Repaired SISTEM training software and coordinated with the manufacturer to update the company training records accordingly.

Education

Computer Engineering

Illinois Institute of Technology, currently enrolled

Expected Graduation Winter 2016

Skills

C
C#
CSS
HTML/XHTML
Java
PHP
Python
SQL
XML/XSL

Platforms

Apache 2.2
Arduino
Django 1.6
Linux
Mac OS X
MySQL
Windows (all)
Wordpress 3.8

Software

Bash
Git
MS Office 07/10
Vim

CHRISTIAN McNAMARA

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Volunteer Experience

A.N. Pritzker Elementary School, November 2006 - January 2010

Volunteered as tech support during a period when the school did not have a full-time technical coordinator

Museum of Science and Industry Chicago, November 2006 - Present

Volunteering as a facilitator of science-based presentations aimed at engaging and educating guests of the Museum as well as assisting the training of high-school aged volunteers in proper laboratory safety and operation of FabLab equipment.