Ethan Madden

ethan@madden.ninja
(812) 250-1419

EDUCATION

Purdue University, August 2011 - May 2015
Major: Computer and Information Technology
Concentration: Network Engineering Technology

SKILLS

Languages: Python, GoLang, C, Bash, Java, LaTeX

EXPERIENCE

Software Development Engineer June 2015 - Present
Dell EMC
- Designed, managed, and built a business inteligence platform based around a Postgres database
- Designed and built tooling in python for filling that database using processed and filtered data from customer logs
- Used our platform to answer engineering questions, triage bugs, and provide dashboards
- Migrated my team's development workflow to use VMs that were reproducible via Puppet
- Enabled logging to an ELK stack for most of our infrastructure

Software Development Engineering Intern May 2014 - August 2014
EMC^2 Isilon
- Automated the minidump extraction and analysis processes in Python
- Built a daemon to watch bugzilla and unpack minidumps associated with open bugs

Student System Administrator September 2011 - May 2015
Rosen Center for Advanced Computing
- Diagnosed and repaired cluster, legacy, and storage systems
- Wrote scripts to aid in diagnosing issues
- Maintained several current and former Top500 List Clusters

ACTIVITIES

ACM Special Interest Group for Robotics September 2011 - Present
Software Team Leader, Head of Outreach
- 2nd Place in the Programing Skills competition at Vex World Championshiops 2013
- Teach students to program microcontrollers using C
- Developed dynamic robot mapping environment for Autonomous mode

Student Cluster Competition September 2012 - 2015
Member
- Compiled and ran Molecular Dynamics Simulations at SC 2012 (LAAMPS) in Salt Lake City, Utah and ISC 2013 (GROMACS) in Leipzig, Germany

Projects

CKeys 2017 - Present
- One of four founding members of the 501(c)(3) non-profit focused on introducing people to electronics and programming through mechanical keyboards
- Helped organize and teach soldering workshops in partnership with the Living Computer Museum + Labs
- Helped organize meetups for 200+ attendees including workshops, talks, and other activities
- Selected speakers, helped them prepare talks, and assisted with the streaming of their talks online for interested people not able to be physically present at the event

For more information and source code for my projects,
see my github http://github.com/jetpacktuxedo