

Samuel Christy

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Rome, NY

I wish to obtain a job in a challenging professional environment in which I can utilize my education and skills for a position that will allow me to further expand my knowledge in my field of study.

EDUCATION

- Iowa State University - Bachelor of Science in Electrical Engineering Graduated December 2017

PROJECTS

- SI Attendance Senior Design Project August 2016-May 2017
- Binary star orbit simulator for the physics department at Iowa State September 2016
- 4B5B digital encoder/decoder integrated circuit design via Cadence CAD software May 2016
- Assembly to machine language compiler February 2014
- 3D model renderer with OpenGL July 2014
- ATmega based dotmatrix LED display September 2013

COMPETITIONS

- 2nd out of 44 teams in the 2017 Senior Design Projects May 2017
- 2nd place National Cyber Defense Competition February 2016
- 1st place Iowa State Cyber Defense Competition February 2015

WORK EXPERIENCE

- SI Attendance Management Internship August 2017-present
 - Investigate and resolve issues in the Laravel project
 - Coordinate with team members to identify potential issues
 - Collaborate with SI leaders to identify potential additions to the project
- Data Entry for the Iowa State Dept. of Education April 2016-August 2016
 - Evaluate teacher grading accuracy and monitor for score discrepancies
 - Organize prior years' data and make it available for department analysis
 - Enter teacher-graded exam scores into spreadsheets
- Line Cook for Pepperjax Bar and Grill April 2015-August 2015
 - Prepare all food items in fast-paced restaurant environment including lunch and dinner services
 - Follow standardized recipes to assure highest quality of food served
 - Store food items and maintain the highest levels of sanitation and cleanliness
- Lowe's Commercial Loader May 2014-August 2014
 - Organize and position items, including lumber, drywall, and concrete
 - Work with team and management to recognize, prevent, and handle potential security risks and thefts
 - Aid customers in designing and implementing personal projects

SKILLS

- Reverse Engineering (GDB, Radare2, Ptrace)
- AutoCAD/SolidWorks/FreeCAD
- PLC/Ladder Logic Programming
- Programming (C, C++, Assembly, Python, VHDL/Verilog, Java, MATLAB/Simulink, etc...)
- Amateur Radio
- Linux System Administration
- Agile Project Management
- HMI/SCADA programming
- Microsoft Office/LibreOffice
- Deep Learning Neural Networks
- Mercurial/Git/CVS