# Samuel Christy

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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

- $2^{nd}$ out of 44 teams in the 2017 Senior Design Projects — May 2017
- $2^{nd}$ place National Cyber Defense Competition — February 2016
- $1^{st}$ 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

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