## Career Objective

To obtain an entry-level Software Developer position that challenges my skillset and mutually promotes growth for both me and the company.

## Education University Concentration Year

Bachelor of Science (In Progress) Southern Illinois University of Carbondale Computer Science 2019

Associate of Science Olney Central College Generals 2016

## Technical Skills

## Programming Languages

Java, C#, C, JavaScript/jQuery, PHP, MySQL, Lisp, HTML, CSS, Octave, Matlab

Technologies

MySQL, Eclipse, Git, Atom, Visual Studio, ArgoUML, Unity3D, Blender, Photoshop, Sony Vegas, phpMyAdmin, Microsoft Office

Concepts

Algorithms, Data Structures, OOP, SDLC, Agile/Scrum Methodologies, Security, Machine Learning, Networking, Distributed Systems

Operating Systems

Windows, Linux

## Relevant Course Work

• Programming with Data Structures • Discrete Mathematics • Internet & Mobile Computing

• Theory Programming Languages • Operating Systems • Intro to Computer Science

• Design & Analysis of Algorithms • Software Engineering • Computer Organization & Architect

• Software Game Development • Computer Architecture • Linux/UNIX Programming

• Distributed Systems • Computational Statistics • Linear Algebra

• Autonomous Mobile Robots • Computer Security • Learning from Data

## Project Experience

Grant Management Dashboard Senior Project August 2018 – May 2019

* Web dashboard project requested by Prof. Boyd Goodson at SIU
* Built from scratch using HTML, CSS, JavaScript, PHP, and MySQL
* Worked in a team of four using agile methodologies

Localization Autonomous Robot Autonomous Mobile Robots Jan 2019 – May 2019

* Final project for my Autonomous Mobile Robotics class
* Implemented localization with image processing using OpenCV and Java
* Communicates with an Arduino robot using Bluetooth

Cribdrag.com Personal Project Jan 2019 – May 2019

* Inspired by a homework assignment from my Computer Security class
* Implemented an interactive “crib dragging” tool in HTML, CSS, and JavaScript/jQuery
* Cracks a reused one-time pad and can also generate an encrypted message using a one-time pad

Scrapey.io Personal Project Jan 2019 – April 2019

* A current on-going personal project put on hold until my senior project is completed
* Implemented a web scraping web application in HTML, CSS, JavaScript/jQuery, PHP, and Python
* Provides a free web scraping tool that can harvest data from websites and converts to easily manageable data

Saluki Mobile Parking System Software Engineering Jan 2018 – May 2018

* Proposed an innovative idea that allows you to pay for guest parking by phone
* Worked in a team of four using agile methodologies and presented our progress after each sprint
* Built from scratch using HTML, CSS, JavaScript, and Firebase

Lexer & Parser for Grammars Theory Programming Languages Aug 2017 – Dec 2017

* Develop a tokenizer and parser for a given grammar in Java
* Swing implemented GUI for easy user input
* Analyze user inputted string and determine if it follows the syntax of the grammar

Movie Management System Programming w/ Data Structures Jan 2017 – May 2017

* Implemented a doubly linked list data structure in Java without using built in libraries
* Allow add, remove, and edit actions on movie objects stored in the linked list
* Give ability to search through the linked list nodes by movie object names