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ALAN GOUNLEY
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Porfolio
blackjakk526.github.io/portfolio/

EDUCATION

Tempe, AZ	Arizona State University	July 2016 – August 2019

B.S. in Software Engineering Graduated Cum Laude

Coursework: Web Application Programming, Software Enterprise, Web Apps & Mobile Systems, Database Management, Operating Systems and Networks

Dean's List: Fall 2016, Spring 2018, and Spring 2019

WORK EXPERIENCE

Engel Machinery/TIG	September 2019 – July 2020

- **Titles Held:** Application Support (on planned track to be a System Engineer)
- **Job Responsibilities:** Support a Manufacturing Execution System application by diagnosing customer's issues, with the application or the network, reported through a support ticket system or by phone. Identify bugs, detailing them to the developers, finding temporary solutions until a fix can be done. Configure and customize the customer's system and application to suit their needs. Utilized Microsoft SQL Server and Microsoft SQL Server Management Studio for querying the database for set-up and diagnosing problems.
- **Accomplishments:** Kept customer satisfaction above 99%. Maintained ticket closure to within 1 hour for high priority tickets. Discovered 3 bugs not found in testing and documenting workarounds until it could be resolved.

Penn-Mar Human Services	January 2007 – September 2019

- **Titles held:** Residential Assistant, Senior Residential Assistant, Residential Assistant
- **Job Responsibilities:** help intellectually disabled individuals in their homes with their daily needs including but not limited to cooking, cleaning, and transportation, and completing documentation as to what care was provided to keep within state regulations.
- **Accomplishments:** Discovered and fixed 3-5 infractions to achieve a near 100% rating in state inspections within my location that I managed.

SKILLS

Programming Languages and Concepts: (proficient): Java, MVC, Git, HTML, JSON, JavaScript, Python, SQL
  (familiar): C, C++, C#, CSS, XML, PHP, REST, React

PROJECTS

CLOUD COMPUTING AI-CAPSTONE

- Developed a prototype application using **Java** that allowed the user to select JPEG images from their directory.
- Trained an AI using supplied cloud images, **Python**, **TensorFlow**, and **Keras** to classify the lux output in the selected images from the application and successfully improved its accuracy from 62% to 83%.
- Worked as a team with four other members to achieve the goal of turning off or on a power generator by using the lux classifications of the images.
  Tech Stack: Java, Python, TensorFlow, Keras, Scrum, Agile, Numpy, OpenCV, Matplotlib

MOVIES WEB APPLICATION WITH WEB SCRAPER

- Developed a Python script to extract movie titles and release dates from the **HTML** of a web page
- The data stored in a **MySQL** Database
- Web application populated by the database queries movies by title or release date
  Tech Stack: Python, NodeJS/JavaScript, Express, BeautifulSoup

SOA WEB SERVICE OF GETTING AND MAPPING GRADES

- Altering a supplied web application and turning it into a web service
- Used **MySQL** for the database of the student's information and grades.
- Constructed a client to use this web service
  Tech Stack: Java, Postman, Apache ant, Apache Axis2, XML, Tomcat