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## ALAN GOUNLEY

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### EDUCATION

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**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

### WORK EXPERIENCE

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**Engel Machinery/TIG** **9/30/2019 - 07/15/2020**

- **Titles Held:** Application Support (on a 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.

**Penn-Mar Human Services** **01/07/2007 - 09/27/2019**

- **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.

### SKILLS

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- **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 an 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.
- 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.
- Utilized: Java, Python, TensorFlow, Keras, Scrum, Agile, Numpy, OpenCV, Matplotlib

#### MOVIES WEB APPLICATION WITH WEB SCRAPER

- Python script to extract movie titles and release dates from a web page
- Data stored in a MySQL Database
- Web application populated by the database queries movies by title or release date
- Utilized: 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
- Utilized: Java, Postman, Apache ant, Apache Axis2, XML, Tomcat

### AWARDS

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

