LinkedIn
www.linkedin.com/in/alan-gounley-1b288856

ALAN GOUNLEY
(717) 650-7175
agounley@gmail.com

Portfolio
blackjakk526.github.io/portfolio/

EDUCATION

Arizona State University	Tempe, AZ	**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

CAREER EXPERIENCE

Leidos	**Software Developer**	**June 2021 – Present**

- implemented and maintained API endpoints
- implemented a report generator using Quartz job scheduler
- designed React components for the updated tech refresh switching from Razor templates
- performance tuned SQL queries on a military inventory management system
- peer reviewed other developer's pull requests

CDS Group	**Junior PHP Developer**	**November 2020 – June 2021**

- Converted a 20-year-old web application for a large telecommunications company from Classic ASP/VBA into PHP.
- Converted it to a MVC structure using Laravel while updating it using modern libraries like PHPSpreadsheet for Excel documents, improved logic and SQL queries, and updated HTML and CSS to current standards.
- Reduced code size by at least 50% and improved execution time.

Engel Machinery/TIG	**Application Support/System Engineer**	**September 2019 – July 2020**

- Supported a Manufacturing Execution System application by diagnosing customer's issues, either with the application or their network, reported through a support ticket system or by phone.
- Identified bugs, providing details to the developers, and finding temporary solutions until a fix can be done.
- Configure and customize the customer's network 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.
- Kept customer satisfaction above 99%. Maintained ticket closure to within 1 hour for most high priority tickets.

Programming Languages and Concepts

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

PERSONAL PROJECTS

Cloud (Weather) 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 using a 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