Koby Barrett

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https://github.com/KAntBarr

Education & Coursework

Degree:	B.S. in Computer Engineering, Sacramento State University, CA (Graduated December 2022)
GPA:	3.75, with multiple Dean's Honor Roll *
Bootcamp:	UC Berkeley Extension Full Stack Bootcamp (Ongoing)

Technical Skills & Experience

Languages:	Python, JavaScript, HTML/CSS, SQL, C, Java
Software:	Git/Github, Command Line Interface, Linux, Microsoft, macOS, Ignition, MySQL, Docker, VirtualBox, Visual Studio Code, Eclipse, Word, Excel
Certificates:	Amazon AWS Technical Essentials, Ignition 8.1 Gold Certified

Technical Projects

Self-Driving Car:	Group senior design project implemented with python and python libraries such as openCV, PyTorch, Numpy, etc. on a raspberry pi. Car has two driving modes (manual and autonomous) with an ultrasonic sensor to detect objects and a USB camera to take filtered input for the neural net.
Capture The Flag:	Designed a game application in Java with the framework CodeName One that taught me object-oriented principles and software design patterns such as Model View Controller, Singleton, Iterator, etc.
Operating System:	Developed an OS in a Sac State implemented environment called Spede. I have created drivers for a vga text display, keyboard, and a TTY interface. Also, I have implemented interrupts into the system for keyboard, a PIC timer, and software interrupts. So far, I have designed a system for processes to run concurrently (multiprocessing).

Relevant Work Experience

Feb 2023–Present	**Inductive Automation- Technical Analyst** Using knowledge of Ignition, a SCADA/HMI application designer software, to help triage tickets from customers' design and connection problems. Participate in grading of Ignition Core Certified Tests. Work on and solve email tickets from customers with a variety of issues. Continuously learning new technologies and standards to better help solve problems.
Dec 2021–Feb 2023	**Matheson Trucking Inc. - IT Administrative Assistant** Main objective is to manage a ticketed system, which includes: managing user accounts, setting up and imaging computers, installing network cables, and working with others to find solutions to a multitude of problems.