

Gabriel VERA

PERSONAL DATA

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PROJECTS

<i>Current</i> AUG 2017-MAY 2018	PSYCHE Meteorite Image Analysis System Assisted Jet Propulsion Laboratories in the design and implementation of a meteorite image analysis system. The system used Python in combination with OpenCV to analyze meteorite images and provide data. The system will be utilized in the Psyche mission that will launch in 2022. Utilized excellent communication skills to confirm deadlines, and manage an effective team that met those deadlines and provided quality results.
SPRING 2017	Sentiment Analyzer Desinged and implemented a sentiment analyzer utilizing Perl. Analyzer would take in news articles from sources and identify trends over time in the news, and the general outlook of people on certain topics
FALL 2016	OBJECTPASCAL Compiler Utilized Lex, Yacc, and C to implement a fully functional OBJECTPASCAL Compiler. Took OBJECTPASCAL code, and converted it into MIPS assembly language. Supported type checking and optimizations to ensure efficiency.

EDUCATION

FALL 2017 Undergraduate Degree in COMPUTER SCIENCE
Arizona State University
MAJOR GPA: 3.37
Dean's List

TECHNICAL SKILLS

C/C++	Extremely proficient, used as the back end for the Object Pascal compiler as well another small compiler.
PYTHON	Utilized in the Psyche mission project to work in conjunction with OpenCV to analyze meteorite images.
SQL	Designed and implemented a database management system for a local company, that kept track of inventory and order status
PERL	General scripting including generation of names and dates for the database mentioned above and semantic analysis.

OTHER SKILLS

VIM	Java	HTML	LaTeX	Docker
LINUX CLI	Effective Communicator	Javascript	WebGL	Mobile App Development
MATLAB	BASH	SWIFT	Git	