

AARON KRATZ

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EDUCATION

Arizona State University
BS Software Engineering

Tempe, AZ
Jan 2017 - Dec 2019

WORK EXPERIENCE

Self Employed

Phoenix, AZ
July 2017 | Present

- Business management
- Day-to-day operation

Challenger Space Center

Programmer/Instructor

Peoria, AZ
May 2017 | January 2018

- Help develop Mars Rover Project for use in educational programs to teach children about Mars and how NASA uses their rover to explore the planet
- Teach classes about different topics of Chemistry, Astronomy, or Physics to children and young adults
- Help develop educational programs to teach Python to children

Tenkoris

Capsule Production Tech

Phoenix, AZ
June 2015 | September 2016

- Operate and provide maintenance to encapsulation machinery and related equipment
- Complete capsule formulation logs and data records for research
- Create SOP and MMR documentation to improve department best practices
- Develop supplement formulations and test their potential for mass production

Brookdale Senior Living

Security

Peoria, AZ
October 2010 | June 2015

- Maintain logs and input security data
- Provide interdepartmental information and event reports
- Provide medical, security, and hospitality services to residents and patients
- Gave computer training and tech troubleshooting for residents when possible

SKILLS

Languages: Java, C/C++, Bash, Python, HTML/CSS, UML
Tools: Eclipse IDE, JSON, Git, Ant
Practices: Agile/Scrum

PROJECTS

Memoranda GitGet *Java, Git, Taiga*

<https://github.com/ser316asu-2018/braunfels>

School project using Scrum methodology to update the open-source project "Memoranda" to include statistic and project tracking through the GitHub API. Developed release-ready updates on a bimonthly basis.

Axelrod *Python*

<https://github.com/Axelrod-Python/Axelrod>

An open-source Python library devoted to aiding in the research of the "Prisoner's Dilemma". Simulates a multitude of different approaches a participant could have to test and gather data based on result.

Mars Rover Simulation *Python*

A project to design, build, and program a robot that could be controlled over the internet from school classrooms as a learning activity.

C++/Java Distributed Software System *Java, C++, JSON*

A distributed software system utilizing a server written in C++ communicating via JSON-RPC to send library data to clients built with C++ and Java