

# AARON KRATZ

Phoenix, AZ · akratz2@gmail.com · 602-561-6601 · www.aaronkratz.com

## EDUCATION

---

**Arizona State University**  
BS Software Engineering

Tempe, AZ  
Jan 2017 - Dec 2019

## SKILLS

---

Languages: Java, Javascript/Node.js, C, C++, Python, HTML5, UML, Bash  
Tools: Eclipse IDE, IntelliJ IDEA/Webstorm, Git, Ant/Gradle  
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.

**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.

**Sakai LMS Progress Tool** *Java Spring, MySQL, Thymeleaf, Apache Tomcat*  
<https://github.com/jmross14/sakai>  
Feature update to the Sakai learning management system to add instructor and student views of relevant course progress

## EVENTS

---

**Presenter - Sakai Virtual Conference 2018**  
Presented at Sakai Virtual Conference 2018 to show Sakai Progress Tool design and future plans for the project to the Sakai community  
November 2018

## WORK EXPERIENCE

---

**Self Employed** Phoenix, AZ  
July 2017 | Present

- Business management
- Day-to-day operation

**Challenger Space Center** Peoria, AZ  
*Programmer/Instructor* 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** Phoenix, AZ  
*Capsule Production Tech* June 2015 | September 2016

- Operate and provide maintenance to encapsulation machinery and related equipment
- Develop supplement formulations and test their potential for mass production
- Create SOP and MMR documentation to improve department best practices

**Brookdale Senior Living** Peoria, AZ  
*Security* 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