AARON KRATZ

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EDUCATION

Arizona State University   Tempe, AZ
BS Software Engineering *GPA: 3.01*   Jan 2017 - May 2020

WORK EXPERIENCE

Visa Inc.   Highlands Ranch, CO
Software Engineering Intern   May 2019 - August 2019

- Member of SCRUM team developing new product
- Create REST APIs to give secure client access to system data
- Create encryption management service, decreasing encryption time and implementation complexity
- Java Spring framework, MongoDB, Git, Maven, Jira

Challenger Space Center   Peoria, AZ
Programmer/Instructor   May 2017 - January 2018

- 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 young students

SKILLS

Languages:	Java/Spring Framework, Javascript/Node.js, C, C++, Python, HTML5, UML, Bash
Tools:	IntelliJ IDE's, MongoDB, Git, Maven, Linux, JIRA
Development Practices:	Agile/Scrum, TDD, REST, SOAP, API Development

PROJECTS

Memoranda GitGet *Java, Git, XML*   https://github.com/ser316asu-2018/braunfels
Project using Agile methodology to enhance the open-source project "Memoranda", implementing statistics and project tracking through the GitHub API. Met and coordinated with team to meet sprint goals. Received an A grade.

Axelrod *Python, Git*   https://github.com/Axelrod-Python/Axelrod
Implemented new methods and strategies to improve the open-source project Axelrod, a Python library devoted to research of the "Prisoner's Dilemma".

Mars Rover Simulation *Python, Bash, Apache2*
A project to design, build, and implement code necessary for a robot that could be controlled over the internet from school classrooms as a educational activity. Increased revenue and client interest in company programs.

Sakai Progress Tool *Java Spring, MySQL, Thymeleaf, Javascript, Linux*
https://github.com/jmross14/sakai
Feature update to the Sakai learning management system to implement new MVC components necessary to show instructor and student views of relevant course progress data. Increases product value to generate interest in client's support services.

EVENTS

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