

JOSH HINKLE

josh@joshhinkle.com | 714.414.8477 | San Francisco, CA.

 josh-hinkle  joshhinkle  joshhinkle.com

SKILLS

Languages

Java | SQL | JavaScript | C++ | VB
HTML/CSS | PHP

Tools

Git | Unix/Bash | JSON | AJAX
Eclipse | Linux

Professional

Cross-discipline Collaboration
Project Management | UI Design
Prototyping | Process Design

EDUCATION

San Jose State University
B.S. Chemical Engineering
Minor in Computer Science

Graduating May 2018
SJSU GPA: 3.98

AWARDS

Outstanding Junior Award
2016-2017

Promise Award
2015-2016

Dean's Scholar
2017-2018

President's Scholar
2016-2017

PROFESSIONAL EXPERIENCE

NASA AMES RESEARCH CENTER - AMA Software Engineering Intern

January - Present 2018
Mountain View, CA.

- » Consult with departments within Analytical Mechanics Associates at NASA to provide both local and online software solutions.
- » Use Java, VB, Microsoft SQL to code database application solutions to assist in the research of thermo-protective materials to be used in NASA reentry vehicles.

NASA AMES RESEARCH CENTER Software Engineering Intern

January - September 2017
Mountain View, CA.

- » Designed and developed relational database application for documenting the decomposition products of aerospace materials being tested under atmospheric reentry conditions.
- » Custom UI design built with JavaScript, CSS and HTML enabled NASA engineers with no DB training to customize their own queries, generating reports and data visualizations on demand.
- » Utilized this software in an investigation on decomposition products associated with aerospace materials being tested on-site.
- » Presented to NASA administrative staff software capabilities and results of the investigation.

PROJECTS & LEADERSHIP

WOMENCOLLEGETECH.COM

- » Collaboration with a NASA engineer coworker whom is involved with the Society of Women Engineers leadership.
- » Designed and developed social network website designed to aggregate engineering talent from all-women colleges in effort to enhance these college's representation in Silicon Valley technology industry.
- » Built atop WordPress CMS and required custom PHP plug-ins to achieve separate client and talent profile functionality.

"THE GREAT CATSBY'S DECENT ADVENTURE"

- » Arcade style video game programmed in Java using libGDX framework.
- » Features 100% original code, artwork, animations, and music.

ROBOTICS COMPETITION

- » Lead programmer on team for Robotic Systems engineering challenge.
- » All robot logic, AI, movement, and sensory analysis programmed in C.
- » Team had the most successful robot in three of four categories.

RECYCLING WATER ON MARS (SENIOR PROJECT)

- » Leader of 6 person team researching and designing new process for water reuse for manned Martian mission.
- » Collaboration with Michael Flynn and NASA Ames Research Center
- » Leadership duties include scheduling meetings and interfacing with client, securing funding, and delegating tasks amongst team members.