

## WORK EXPERIENCE

<b>NASA Mission to Psyche</b>	<b>Software Dev - Student</b>	<b>Sep 2018 - May 2020</b>
<ul style="list-style-type: none"><li>Planned and managed a year-long academic capstone project sponsored by NASA's Mission to Psyche.</li><li>Developed automated NLP tools that successfully recognized and extracted data from 93% of research papers composing the project text corpus.</li><li>Integrated data extraction tools in a web application that dynamically generated an easily searchable database.</li></ul>		
<b>Saudi Red Crescent Authority</b>	<b>Software Engineer - Intern</b>	<b>Jan 2022 - Aug 2024</b>
<ul style="list-style-type: none"><li>Supervised tech and software engineering volunteers throughout the development of multiple internal tools.</li><li>Designed and lead the implementations of key software solutions for first responders.</li><li>Performed sprint reviews to provide hands-on demonstrations and overall project progress to stakeholders.</li></ul>		
<b>Avionova</b>	<b>Tech Team Lead</b>	<b>Nov 2024 - Present</b>
<ul style="list-style-type: none"><li>Tech liaison for startup specializing in the development of vestibular technologies designed to address motion sickness and vertigo in high-risk environments such as military aviation, space tourism, and healthcare.</li><li>Oversaw the design, development, and maintenance of the company's website.</li></ul>		

## EDUCATION

<b>Arizona State University</b>	<b>B.S. in Software Engineering</b>	<b>Graduated: Dec. 2024</b>
<ul style="list-style-type: none"><li>President - CodeDevils</li><li>Webmaster - Delta Sigma (<math>\Delta\Sigma</math>)</li></ul>		Major GPA: 3.13
<b>Massachusetts Institute of Technology</b>	<b>Electrical Engineering and Computer Science</b>	<b>Aug 2012 – May 2014</b>
<ul style="list-style-type: none"><li>Member - Solar Electric Vehicle Team</li><li>VP of Social Impact - MIT Arab Student Organization</li></ul>		

## PROJECTS

- Iron Meteorite Database** Web application wrapped in two Docker containers and using MVC architecture built on a stack of Node/Express and PostgreSQL with a suite of Python tools that utilize natural language processing to automatically extract meteorite information from research papers and deposit the data into a dynamically generated database. The result of this capstone project will assist scientists throughout NASA's Mission to Psyche.
- PlanetCode** Collection of Python and Jupyter Notebook tools for processing and analyzing satellite imagery, developed for Planet.com and hosted on a dedicated Django/AWS website. Features include image segmentation and API integration to support advanced data processing workflows. Served as project lead and scrum master for a cross-functional team commissioned to complete the project.
- Smart MOOCs** Web application built with Next.js, Redux, and Django to host courses for UIUC, featuring click-stream data analysis through NLP to assist professors in identifying challenging sections in videos and improve lecture content for enhanced student comprehension.

## TECHNICAL EXPERIENCE & AWARDS

JCI Ten Outstanding Young Persons   Scientific and/or Technological Development Category	2024
Top 3 Female Chess Players of Saudi	2022
Badass Woman of ASU   Women's Coalition at ASU	2021
Panelist   ShapingEDU	2020
C, C++, Python, Java, SQL	iOS, Android
Matlab, Pandas, Jupyter	ESLint, Junit, PyTest
Node.js, JavaScript, HTML, CSS	Git, Docker, AWS, Atlassian, Jira