

# Alexandra Plukis

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<b>Education</b>	<b>Arizona State University: Tempe, AZ – Computer Science B.S   Graduation: May 2021</b> <ul style="list-style-type: none"><li>• GPA: 4.00 / 4.00</li></ul>
<b>Experience</b>	<b>Teaching Assistant: Arizona State University, Tempe, AZ   Aug. 2020 - Present</b> <ul style="list-style-type: none"><li>• TA for Mobile Development course of 190 students in Swift and Xcode with a focus in UIKit</li><li>• Pair programming with students to review topics from lecture</li><li>• Debugging code live to assist in projects and clarify confusing concepts</li></ul> <b>Apple Watch Software Engineering Intern: Apple, Cupertino, CA   June 2020 - Aug. 2020</b> <ul style="list-style-type: none"><li>• Collaborated with stakeholders in the Health app during the stages of research, definition, design, and implementation</li><li>• Developed code for a mobile iOS environment using Swift, Xcode, and native frameworks</li><li>• Presented to cross-functional teams and reported technical designs for feedback</li></ul> <b>Engineering Futures Mentor: Arizona State University, Tempe, AZ   May 2018 - Aug. 2020</b> <ul style="list-style-type: none"><li>• Increased academic engagement and success in first year students by organizing and leading educational outreach events</li><li>• Mentored 24 computer science students over 2 years in enrichment projects and professional growth</li></ul> <b>Swift Workshop Leader: Arizona State University, Tempe, AZ   Dec. 2018 - Aug. 2020</b> <ul style="list-style-type: none"><li>• Fostered a collaborative learning environment by creating lectures, supplementary projects, and worksheets</li><li>• Led workshops with industry sponsors and peer-led teams to introduce students to Swift, Xcode, and software development practices</li></ul>
<b>Research</b>	<b>NSF REU Intern: George Mason University, Fairfax, Virginia   June 2019 - August 2019</b> <ul style="list-style-type: none"><li>• Processed faculty evaluations and student demographics data with python machine learning classifiers and evaluated the results with respect to fairness</li><li>• Worked with thousands of students' data, following strict privacy guidelines while cleaning, pre-processing, and data mining 10 years' worth of data</li></ul>
<b>Projects</b>	<b>NASA Psyche: WebXR Capstone   Aug. 2020 - Present</b> <ul style="list-style-type: none"><li>• Web-based augmented reality experience for NASA's Psyche mission</li><li>• Uses A-Frame, JavaScript, and HTML to educate and engage the public about the Psyche mission</li></ul> <b>Birdwatching iOS App: Swift   May 2020</b> <ul style="list-style-type: none"><li>• Utilizes UIKit, CoreData, API calls, and MapKit to create an application that allows a user to log bird sightings, write bird logs, and learn bird fun facts</li><li>• Conforms to data persistence, object-orientation, and model-view-controller principles</li></ul> <b>Personal Website: HTML, CSS, Javascript   Sept. 2019 - Present</b> <ul style="list-style-type: none"><li>• Showcases animations and responsive elements to create a website with elements that can be scaled and shared for use in educational settings</li><li>• Found at <a href="http://aplukis.com">aplukis.com</a></li></ul>
<b>Skills</b>	<b>Proficient:</b> Swift, C/C++, Java   <b>Familiar:</b> Python, HTML, CSS, JavaScript, D3 <b>Relevant Coursework:</b> Object-Oriented Programming, Data Structures and Algorithms, Operating Systems, Theoretical Computer Science, Digital Design, Data Visualization <b>Irrelevant Coursework:</b> Watercoloring, Food System Sustainability, Microbiology