

# Nicolas A. Luthi

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## EDUCATION

<b>Arizona State University</b> <i>Bachelor of Science in Computer Science</i> <i>Cumulative GPA: 3.5/4.0</i>	<b>Aug. 2023 – December 2025</b> <i>Tempe, AZ</i>
<b>Scottsdale Community College</b> <i>Associate of Science in Computer Science</i>	<b>Aug. 2021 – May 2023</b> <i>Scottsdale, AZ</i>
<b>Relevant Coursework:</b> <i>Service Oriented Computing, OS and Linux Kernel Development, Data Structures and Algorithms, Agile Methodologies and Project Management, Collaborative Engineering, Object-Oriented Programming, Design and Analysis of Algorithms</i>	

## TECHNICAL SKILLS

**Languages:** C/C++, C#, Java, Python, HTML, XML, CSS, Swift, Dart  
**Frameworks:** Flutter, LangChain, Flask, FastAPI, ASP.NET  
**Developer Tools:** Firebase, Git, Docker, Jira, Figma, VS Code, Visual Studio

## EXPERIENCE

<b>Mobile Development Internship</b> <i>Healthee (startup)</i>	<b>May 2023 – September 2023</b> <i>Scottsdale, AZ</i>
<ul style="list-style-type: none"><li>Individually developed an iOS app using OpenAI API, trained on 10k+ data points, with Google Firebase for authentication and security.</li><li>This application helped enable startup to secure 6-figure funding.</li><li>Self-taught Dart, Python, Flutter SDK to build a responsive chatbot with Llama 2 LLM and Hugging Face integrations.</li><li>Oversaw full project cycle (5 months): 1 month planning, 3 months development, 1 month testing and user interviews.</li></ul>	
<b>Residential Solar Consultant   Regional Manager</b> <i>Skywells Energy</i>	<b>August 2019 – December 2022</b> <i>Phoenix, AZ</i>
<ul style="list-style-type: none"><li>Outperformed sales colleagues by 38%, achieving Top Salesperson status within the first 3 months, resulting in a promotion to regional manager within 12 months.</li><li>Secured a 93% employee retention rate and doubled profit contributions annually by leveraging data-driven insights and strategic resource allocation, resulting in a 210% increase in team sales.</li></ul>	

## PROJECTS

<b>Desktop Office Automation Application</b>   <i>Java, JavaFX, MySQL, FXML, JUnit</i>	<b>March 2024 – May 2024</b>
<ul style="list-style-type: none"><li>Designed and implemented a multi-user system allowing doctors, nurses, and patients to access relevant medical records and perform actions based on roles.</li><li>Built a messaging system to enable secure communication between patients, doctors, and nurses within the application.</li><li>Setup a database integration layer for persistent data storage of patient records, prescriptions, and appointment history.</li></ul>	
<b>Service-Oriented Web Application</b>   <i>C#, ASP.NET Framework, XML, IISExpress,</i>	<b>April 2025 – May 2025</b>
<ul style="list-style-type: none"><li>Constructed a custom access control system that securely stored user credentials in an XML file, implementing password encryption/hashing using a locally developed DLL library function.</li><li>Integrated session state and cookies for state management, enabling the temporary storage of user data.</li></ul>	
<b>Simple Language Compiler</b>   <i>C++</i>	<b>April 2025 – May 2025</b>
<ul style="list-style-type: none"><li>Developed a custom compiler for a simple programming language, generating an intermediate representation in the form of a linked list of instructions.</li><li>Designed and implemented lexical analysis and parsing logic to process program input according to a defined grammar specification.</li></ul>	

## LANGUAGES

**English:** Full professional proficiency (Native speaker)  
**French:** Professional working proficiency (B2)