

Nicolas A. Luthi

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EDUCATION

Arizona State University <i>Bachelor of Science in Computer Science</i> <i>Cumulative GPA: 3.5/4.0</i>	Aug. 2023 – May 2026 <i>Tempe, AZ</i>
Scottsdale Community College <i>Associate of Science in Computer Science</i>	Aug. 2021 – May 2023 <i>Scottsdale, AZ</i>
Relevant Coursework: <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

Mobile Development Internship <i>Healthee (startup)</i>	May 2023 – September 2023 <i>Scottsdale, AZ</i>
<ul style="list-style-type: none">Individually developed an iOS app using OpenAI API, trained on 10k+ data points, with Google Firebase for authentication and security.This application helped enable startup to secure 6-figure funding.Self-taught Dart, Python, Flutter SDK to build a responsive chatbot with Llama 2 LLM and Hugging Face integrations.Oversaw full project cycle (5 months): 1 month planning, 3 months development, 1 month testing and user interviews.	

Residential Solar Consultant Regional Manager <i>Skywells Energy</i>	August 2019 – December 2022 <i>Phoenix, AZ</i>
<ul style="list-style-type: none">Outperformed sales colleagues by 38%, achieving Top Salesperson status within the first 3 months, resulting in a promotion to regional manager within 12 months.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.	

PROJECTS

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

LANGUAGES

English: Full professional proficiency (Native speaker)

French: Professional working proficiency (B2)