

# Nicolas A. Luthi

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## EDUCATION

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### Arizona State University

*Bachelor of Science in Computer Science*

*Cumulative GPA: 3.7/4.0*

**Aug. 2023 – May 2025**

*Tempe, AZ*

### Scottsdale Community College

*Associate of Science in Computer Science*

**Aug. 2021 – May 2023**

*Scottsdale, AZ*

### Relevant Coursework:

*Data Structures and Algorithms, Agile Methodologies and Project Management, Collaborative Engineering, Object-Oriented Programming, Digital Design, Intro to Cybersecurity*

## TECHNICAL SKILLS

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**Languages:** C++, Java, Python, JavaScript, Swift, Dart

**Frameworks:** Flutter, LangChain, Flask, FastAPI, Tensorflow

**Developer Tools:** Firebase, Git, Docker, Jira, Figma, VS Code

**Libraries:** pandas, Pytorch

## EXPERIENCE

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### Mobile Development Internship

*Healthee (startup)*

**May 2023 – September 2023**

*Scottsdale, AZ*

- Individually developed an iOS app using OpenAI API, trained on 10k+ data points, with Google Firebase for security.
- Self-taught Dart, Python, Flutter SDK to build a responsive chatbot with Llama 2 LLM and Hugging Face integrations.
- This application helped enable startup to secure 6-figure funding.
- Oversaw full project cycle (5 months): 1 month planning, 3 months development, 1 month testing and interviews.

### Residential Solar Consultant | Regional Manager

*Skywells Energy*

**August 2019 – December 2022**

*Phoenix, AZ*

- Achieved a 5% cancellation rate, 93% employee retention, doubled profit contributions annually, and grew team success rate by 2.1x
- Named top salesperson within three months and was promoted to Regional Manager after 1 year due to my performance.

## PROJECTS

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### Led Arduino Arcade | C++, Arduino, LogicWorks

**March 2023 – May 2023**

- Developed an interactive Tetris game with button controls and ROM for scorekeeping, integrating hardware and software.
- Used Arduino Mega and LED strips, programming with Arduino IDE for system integration.
- Project highlighted at SCC to showcase potential student builds post-program, promoting the engineering department.

### Health Team GPT | Python, Flask, OpenAI API,

**June 2023 – July 2023**

- Developed a Flask app to route health queries to appropriate professionals, leveraging OpenAI API and health data sets.
- Offers diagnoses, treatment suggestions, meal plans, fitness routines, local doctor recommendations, and research links.

## LANGUAGES

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**English:** Full professional proficiency (Native speaker)

**French:** Professional working proficiency (B2)