

ABIGAIL SCHIDLER

(425) 686-2010 | abigailschidler15@gmail.com | linkedin.com/in/abigail-schidler | https://github.com/AbigailSchidler

SUMMARY

Computer Science student at the University of Washington pursuing dual degrees in Computer Science and Music with experience building AI-assisted applications, document processing pipelines, and full-stack systems. Interested in machine learning, NLP, and human-AI interaction.

EDUCATION

B.S. in Computer Science; B.A. in Music (GPA: 3.58), Dean's List **Sep 2023 - Dec 2026**

University of Washington | Seattle, WA

- **Related Coursework:** Human-AI Interaction Capstone, Interaction Programming, Web Programming, Data Structures & Algorithms, Computer Security

PROJECTS

Paperflow - LLM-Assisted Research Presentation Generator **Jan 2026 - Mar 2026**

Next.js, TypeScript, FastAPI, Google Gemini API, Firebase, React Flow

- Developed an AI-powered application that converts research papers into structured presentation flows using LLM-based document analysis and generation
- Built a PDF parsing pipeline to extract and segment research paper sections
- Integrated Google Gemini 2.5 Flash to generate slide outlines and presentation scripts conditioned on audience level and time constraints
- Designed a human-in-the-loop workflow for validating model-generated sections
- Implemented source attribution linking generated talking points to paper sections

Smart Cart - Mobile Grocery Planning Application **May 2025 - Jun 2025**

Flutter, Dart, Isar Database, Provider State Management, Google Maps API

- Developed a Flutter mobile application that automates meal planning and generates aggregated grocery lists across recipes.
- Implemented unit conversion logic to normalize ingredient quantities across recipes
- Integrated persistent local storage with Isar to store meals and user preferences
- Built gesture-based navigation and internationalization support to improve accessibility

WORK EXPERIENCE

Desk Services Representative, University of Washington **Apr 2025 - Present**

- Coordinate high-volume distribution of residence hall access keys under time-sensitive conditions
- Serve as a primary support contact for residents, resolving access and facility issues efficiently
- Recognized by supervisors for reliability, organization, and strong problem-solving ability

Orientation Leader, University of Washington **Jun 2024 - Mar 2025**

- Presented university resources to incoming students and families
- Communicated institutional information clearly to diverse audiences

TECHNICAL SKILLS

- **Programming Languages:** Python, TypeScript, JavaScript, Java, SQL, C, Dart
- **AI/LLM:** LLM Integration, Prompt Engineering, NLP Pipelines, LLM Prompt Design
- **Data Processing:** Document Processing, PDF Text Extraction
- **Frameworks & Libraries:** React, Next.js, Flutter, Tailwind CSS, React Flow (@xyflow/react), MDXEditor
- **Backend & Infrastructure:** Firebase (Authentication, Firestore), REST APIs, Node.js, FastAPI
- **Tools:** Git, PptxGenJS, Markdown Processing
- **Additional Skills:** File organization, accessibility-conscious design, public speaking

ADDITIONAL INFORMATION

- **Languages:** English, American Sign Language
- **Certifications:** Microsoft Office Specialist (Office 2019)