

Andrew Burke

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EXPERIENCE

CodePath

2023–Present

Senior Curriculum Integration Specialist

2025–Present

- Took a new GenAI learning module from concept through launch (product requirements, stakeholder alignment, curriculum design); delivered to 20,000+ students.
- Ship curriculum and platform improvements across a 17-course catalog: course realignments, AI grading, assessment fixes, and infrastructure migrations.
- Automate and streamline content delivery in the student-facing LMS portal with ERB templating, API dynamic tags, and YAML-driven configuration; lead semesterly course launches.

Curriculum Developer

2024–2025

- Designed new labs, projects, and assessments across course pathways and enhanced existing content; maintained the LMS portal.
- Managed project teams of subject-matter experts, content developers, and designers through active development cycles.

Curriculum Writer

2023–2024

- Wrote and maintained project-based, industry-relevant curriculum for six courses: Web, iOS, Android, Cybersecurity, Technical Interview Prep, and Summer Internship for Tech Excellence (SITE).

Create & Learn | Teacher

2022–2023

- Tailored computer science lessons to K-12 students, from beginner programming through Python and AI.

UC Berkeley EECS | Undergraduate Student Instructor

2019–2021

- Served as Lead Discussion TA for CS10, an introductory computer science course taught in Snap! and Python; earned a 4.75/5 teacher rating.
- Taught labs and discussions, contributed to course development, proctored and graded exams, held weekly office hours, and mentored academic interns.

PROJECTS

Prompt Yourself | aburke225.github.io/prompt-yourself | free AI tutor and interview-coach bots, plus guides to writing your own; voice-to-text and whiteboard input for the interview bot; a Cloudflare Worker relay manages the API keys and falls back across three free AI providers when one hits its limit.

Déjà Vu Log | aburke225.github.io/deja-vu | visualizations of 40 déjà vu moments logged across three years, broken down by time, location, and activity; drawn in SVG.

Stay-Fresh | github.com/Aburke225/Stay-Fresh | iOS app that tracks food expiration to reduce food waste; users log the foods in their fridge and freezer; built in Swift with Xcode.

EDUCATION

University of California, Berkeley | B.A., Cognitive Science

2017–2021

SKILLS

Languages: Python, Java, Swift, Kotlin, C, Go, SQL, GraphQL, JavaScript, HTML/CSS

Content & Markup: ERB, Markdown, YAML

Tools & Platforms: Git/GitHub, Google Colab, Snap!, AI autograder

VOLUNTEER TEACHING

SMASH Academy (2022) | introduction to neural networks for incoming 12th graders; taught in Google Colab.

Eastbay Collaborative for Underserved Children (2020) | 4th-grade lessons, projects, and concept review.