Amelie Cibulka

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EDUCATION

University of California, Berkeley (2022-2026)
Berkeley, CA
- Pursuing BA in Computer Science, Minor in Data Science
- GPA: 3.97

SKILLS
- Experienced in Python, Java, C, SQL, C++, RISC-V Assembly
- Full Stack Experience: React, Express, Node, MongoDB, naive HTML CSS JS
- Experience with Object-oriented programming, Source control (Git), Testing
- Microsoft Office (Excel), Google Sheets

EXPERIENCE

Wyzly- Full-Stack Engineer (2024-Present)
Berkeley, CA
- Experience working at an **early-stage startup**, developing and maintaining high-quality web applications using **JavaScript**, **TypeScript** and **React**
- Worked closely and communicated clearly with teammates, ensuring **efficient design** and functionality

UCB EECS - Computer Science Tutor (2018-Present)
Berkeley, CA
- 2 years of experience as an official Tutor for CS courses at UC Berkeley (61A, 61B)
- Created original educational material to foster learning and problem solving skills
- Emphasized understanding rather than rote memorization

PROJECTS

Language Classifier
UC Berkeley
- Used **Python** with **pytorch** to build a Recurrent Neural Network
- Processed a batch of input words by letter and returned the most likely language classification for each word
- Achieved 90% accuracy on test set

Spam or Ham?
UC Berkeley
- Using **Python**, built a classifier predicting whether an email was spam or not with 89% test accuracy
- Processed and analyzed real-world data using **sklearn** libraries
- Trained and validated a logistic regression model

WordNet
UC Berkeley
- Using **Java**, built complex data structures designed to traverse and organize huge datasets of words and their hyponymns/hypernyms
- Implemented features allowing for user input, used **JavaScript**, **HTML**, and **CSS** to build an interactive interface and display results in a web browser

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COURSEWORK

University of California, Berkeley
- CS189: Machine Learning
- CS161: Computer Security
- CS188: Artificial Intelligence
- CS70: Discrete Mathematics and Probability
- CS61B: Data Structures and Algorithms
- CS61C: Machine Structures
- DATA100: Principles and Techniques of Data Science
- CS168: Internet Architecture and Protocols
- CS61A: Structure and Interpretation of Computer Programs