

# ETHAN KAPLAN

COMPUTER SCIENCE STUDENT

## About Me

Hi! I'm a senior in computer science at the University of Central Florida who plans to graduate in fall 2022. I love programming, problem solving, and automating tedium.

## Contact Details

Number: 954-643-9530 (text first)

Email: EthanSortoKaplan@gmail.com

## Education

### University of Central Florida, FL

B.S. in Computer Science · 2020 - *present*

- Graduation: Fall 2022

### Broward College, FL

Associate of Science · 2017 - 2019

### Bard College, NY

Undergraduate Studies · 2015 - 2016

### Fort Lauderdale High School, FL

High School Diploma · 2015

- Top 10% of graduating class

## Computer Languages

- Python · *proficient*
- Java · *proficient*
- C · *proficient*
- Javascript · *proficient*
- SQL · *familiar*
- HTML · *familiar*
- CSS · *familiar*

## Certifications

<https://ethansk.com/#certifications>

### CIW v5 Database Design Specialist

*Creating relational databases in SQL*

Issued by: Certification Partners (CIW)

Issued: Aug 2019 · No Expiration Date

ID: 60a224a1a8324c9c82df1c907d8063e7

## Work Experience

- **Mortgage Loan Originator**, Loyal Lending Solutions - *present*
- **Mortgage Loan Originator**, WillFund Lending - 2022
  - Negotiating terms between borrowers and lenders to originate mortgage loans
- **Line cook**, La Pollita - 2019
  - Organization, a sense of urgency; messy apron, clean sleeves

## Personal Interests

- Jazz guitar
- World news
- Studying Spanish

## Projects

### Shirk

#### Coming Soon

A Chrome extension to block distracting websites similar in functionality to BlockSite but 100% free and with more features like pausing the block list, allowing redirects from Google for research, and profiles with schedules to allow for a less-restricted yet still-focused browsing experience. I'm building it to learn more about React, Webpack, Chrome extension development, and to help me focus on my work.

### Elephant Ears

<https://elephant-ears.netlify.app/>

A web app built on the MERN stack that teaches aural skills to musicians while learning their strengths/weaknesses to automatically schedule new exercises for them to train in the future according to our own spaced-repetition algorithm. This way, the user never has to ask "what should I study today?" because the app will assess them and create a customized schedule for them. While the variety and difficulty of the exercises increase, the user will still be able to focus on training their ears instead of worrying about what to practice.

### Foreign Word Search Tool

<https://ethansk.com/wordsearch/>

A simple tool that has saved me hours of repetitive work while making digital flashcards for foreign language vocabulary. It was also an excuse to learn useful development skills like managing a website with git over ssh and building something useful for non-programmers.

## Relevant Classes

- **Discrete Math** - Covered various topics including big O notation, graph theory, combinatorics, logic, and proofs.
- **Systems Software** - Used C to write a compiler for a theoretical programming language (which became a real PL once it had a compiler).
- **Algorithms for Machine Learning** - Used Python with the packages Numpy, Pandas, Scikit-Learn, and others to build machine learning models for competitions on Kaggle.com.
- **Matrix and Linear Algebra**
- **Computer Science I & II (Algorithms and Data Structures)** - Studied and implemented various important algorithms and data structures in C and Java
- **Parallel and Distributed Processing** - Designed multi-threaded programs in Java.
- **Web-Based Information Technology** - Learned fundamental web technologies such as CSS, HTML, Javascript, Bootstrap, and NodeJS.
- **Security in Computing** - Discussed threat models, public/private key cryptography, and various encryption algorithms.
- **Database Management Systems** - Used MySQL and SQL to build relational databases.
- **Introduction to Artificial Intelligence**