



# Benjamin Evanoff

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<https://github.com/benevanoff>

## Education

University of Illinois at Urbana-Champaign

Bachelor's Degree 2020 - 2023

Major: Linguistics, Minor: Computer Science

Relevant courses: Data Structures, Discrete Mathematics, Calculus, Statistical Analysis

## Programming Skills

Languages: C++, Python, Java,

R, PHP, SQL, JavaScript, C#

Frameworks/Libraries: Qt,

Boost, Unity

## Language Skills

English, French, Spanish

## Relevant Experience

### Course Assistant - [UIUC Dept. of Computer Science](#)

Jan 2022 - Present

I currently work in the computer science department at my school as an undergraduate course assistant for the second course in UIUC's computer science curriculum, CS 128. My responsibilities include holding code review and tutoring sessions during office hours, helping instruct weekly labs, and as a member of the course infrastructure development team I help maintain [the course online office hours web application](#). Technologies: PHP, JavaScript, MySQL

### Undergraduate Research Assistant - [UIUC Linguistics](#)

Jan 2021 - Present

\* Performed data annotation and data formatting on an audio corpus for use in training a machine learning program to detect irony in natural speech based on formant frequencies and prosodic cues.  
\* Assisted in the building of a digital corpus from data collected at UIUC's second language and bilingualism lab for analysis by supervising professors.

Technologies: Python, Praat, Audacity, CLAN

## Sample Projects - [view entire portfolio](#)

### [XMR-Sweeper](#)

Monero transactions are encrypted and therefore it is necessary to scan the blockchain for owned transaction outputs, a computationally expensive and time consuming task. This program allows you to easily consolidate ownership of TXOs from an arbitrarily large set of keys to a single key pair.

### [PGP-Snap](#)

A desktop application built in Python meant to mimic the functionality of snapchat but when a picture is taken it is immediately asymmetrically encrypted for the recipient and then sends the encrypted data to an FTP server so that the server operator can never see the picture contents.

### [Forest Forever](#)

A 2D video game I built with some classmates where the player must fend off mean animals in a forest.