

# Kris Sowattanangkul

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## EDUCATION

### University of California, Irvine

Bachelor of Science in Computer Science

Irvine, CA

Expected June 2024

- GPA: 3.9
- Relevant Coursework: Computational Linear Algebra, Python Programming with Libraries (Accelerated), Boolean Algebra, Object Oriented Programming, Data Structures & Algorithms

## SKILLS

Programming Languages: Java, Python, JavaScript, Bash, HTML, CSS

Libraries and Technologies: pandas, Beautiful Soup, Matplotlib, NumPy, Git, VS Code, GitHub

## EXPERIENCE

### Arlite

Data Engineer, Intern

Northridge, CA

July 2022 - August 2022

- Developed and improved data visualization software that allowed users to upload CSV files and graphically represent the data
  - Integrated machine learning algorithms to extrapolate/predict data
- Developed a software that found emergency service locations and supplies and visualized them on a heatmap
  - Implemented Beautiful Soup library to access and parse through online information and embedded text in websites and databases

## PROJECTS

Brave Frontier Re:Coded | *Python (Beautiful Soup), HTML*

- (Ongoing) Developing a Twitch overlay to resurrect a loved childhood game that was shut down in April 2022, alongside community members in the game's reddit
  - Implemented Beautiful Soup library to scrape the online Character library and Wiki pages for character images, sprites, and animations
  - Utilized a Bash script to sort images, sprites, and animation files into proper directories to easily create overlay objects for them

Mitski Lyrics Twitter Bot | *Python, JavaScript (Node.js)*

- Developed a Twitter bot that analyzed hourly lyrics tweets from a popular account (@mitskilyricsbot) and found the song they originated from
  - Used the Twitter API to access tweet data
  - Created a bot account that parsed each lyrics tweet and returned the song
  - Implemented a simple database to store tokens and song input

Air Quality Geocoding and Testing | *Python*

- Developed a program that gauged the air quality of Purple Air API's sensors using the AQI index
  - Implemented the Nominatim API to forward/reverse geocode location descriptions and latitude/longitude coordinates