

# BENJAMIN CHEN

Reading, Pennsylvania | (610) 914-8699 | benjamin.chen@yale.edu | GitHub: <https://github.com/BenTheNetizen>

## EDUCATION

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**Yale University**, New Haven, CT

Expected Graduation 2023

*BS in Computer Science and Economics*, GPA: 3.65

*Relevant Coursework*: Discrete Mathematics, Linear Algebra, Data Structures and Algorithms, Financial Economics

## WORK EXPERIENCE

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**YC Collective – (<https://ycarchive.com>)**, *Co-founder*, Atlanta, GA

01/2020 to Present

- Founded a recycled streetwear company that has sold over 250 premium pieces, generating over \$10,000 in revenue
- Established client-relationships on Instagram and Depop, totaling over 1000 followers
- Sole developer of website utilizing industry standard marketing and customer retention practices

**Yale University**, *Undergraduate Learning Assistant*, New Haven, CT

08/2020 to 12/2020

- Assisted peers in CPSC 201 course
- Committed seven hours per week in guiding students through homework and introductory computer science principles

## ORGANIZATION AND RESEARCH INVOLVEMENT

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**Yale Entrepreneurial Society**, *Speakers Team Member*

09/2019 to Present

- Established relationships with founders, CEOs, and COOs of the country's most exciting startups
- Organized events with the CEOs of startups in TripleMint and Ballast Lane Applications

**Researcher at Language, Information, and Learning Lab at Yale (LILY)**

03/2021 to Present

- Assisted Professor Radev and his team in the AAN Project in creating a search engine for browsing their corpus of resources on NLP and related fields
- Deployed newest research publications through web front end development and backend databasing

## PROJECTS AND PUBLICATIONS

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**StockTools – ([www.stocktools.co](http://www.stocktools.co))**

02/2021 to Present

- Founded StockTools, a free-online resource for users to explore various stock-market related tools
- Developed the web application using the Django backend framework with standard frontend languages for public use through an eye-catching, user-friendly interface and deployed using Heroku with Git
- Features StockScraper, a Python script that takes a given subreddit on Reddit and performs natural language processing (NLP) to find the hottest stocks in discussion – incorporated Python's PRAW library to pull data from Reddit, NLTK library to perform NLP, and Openpyxl library for data analysis

**GoodWork**

03/2020

- Collaborated with 1 other developer to build GoodWork, an application that finds local volunteer opportunities involving physical exercise to benefit both the community and the user
- Developed front-end with Android Studio with Java and utilized Google's Firebase Realtime Database to communicate with back-end infrastructure that crawled the web for volunteer opportunities, incorporating natural language processing to select opportunities that involve physical exercise

**Bugs vs Bots: An Adversarial Exploration of Machine Learning Applications in "StarCraft II"**

10/2018

- Co-developed a machine learning bot at Carnegie Mellon University that would play the game StarCraft II and successfully beat beginner-intermediate level opponents using QLearning and neural networks

## SKILLS AND INTERESTS

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- *Computer Skills*: Proficient in Django/Python/C/Web development; experienced in Android development, NLP, Java
- *Interests*: Stock/Options trading, hard rock guitar, basketball
- *Languages*: English (native proficiency), Chinese (professional working proficiency), French (limited working proficiency)