

Hunter Contos

Software Engineer

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contos.tech

New York



Full-stack developer who focuses on writing clean and efficient code. Passionate about tackling complex problems in the world and coming up with unique and robust solutions. Experienced in collaborating in dynamic work environments to bring innovative solutions to market.

WORK EXPERIENCES

Fundamental Research Intern, Point72

New York | 6/2020 - 8/2020

- Placed first in the end of summer group stock pitch competition amongst ten other groups.
- Analyzed the video game industry and created a broader sector outlook with key winners and losers.
- Researched and pitched stocks within the video game industry and updated assumptions through earnings season.

Software Engineering Intern, ASTRI

Hong Kong | 6/2019 - 8/2019

- Conducted research and prototype development using Blockchain and distributed ledger technology.
- Developed an atomic swap implementation for trustless exchange of Ethereum and Bitcoin without 3rd party fees.
- Communicated and presented using Mandarin within the work environment.

EXTRACURRICULARS

The Urban Philanthropic Fund, President

New Haven, CT | 8/2017 - Present

- Manage an investment portfolio and donate the market returns to local non-profits in New Haven, Connecticut.
- Led the TMT investment team analyzing and pitching stocks within the technology, media, and telecom sector.
- Utilized Python and data science techniques to scrape the internet and analyze market trends for idea generation.
- Responsible for placing trades, IRS filings, fundraising, and crafting a long-term vision for the organization.
- Fundraised \$50,000 during a semester as a team to seed the initial investment portfolio.

Yale Political Union, Webmaster

New Haven, CT | 8/2017 - Present

- Built, maintained, and designed an interactive web application for members of the debate organization.
- Nominated by the members of my debate group to serve as the primary contact between the membership and board.
- Deliver speeches at weekly debate on subjects related to philosophy, economics, and politics.

Yale Daily News, Director of Strategy

New Haven, CT | 8/2017 - 8/2020

- Launch new initiatives such as the Yale Daily News Symposium that profited \$5,000 in its first year of operation.
- Utilized excel data tools to track and analyze the Yale Daily News social media accounts with over 50,000 followers.
- Grew the daily email newsletter 30 percent by adding over 4,000 alumni by building an email collection tool.

PROJECTS

Atomic Swap

Open Source

Utilized Python, Solidity, Google Cloud Tools, and Django to design and implement an Atomic Swap on the Ethereum and Bitcoin blockchains and create a trading platform utilizing the technology.

Intelligent Connect Four

Open Source

Implemented Connect Four with object-oriented design and used Minimax with Alpha-Beta Pruning, Monte-Carlo Tree Search, and Q-Learning to play the game intelligently.

Using Edge Maps With CNNs to Classify Clothing

Open Source

Used Keras and Tensorflow to train a CNN to identify articles of clothing for a startup and used edge-maps to improve the performance.

Bash

Open Source

Utilized C to create a command-line bash shell through leveraging system calls.

EDUCATION

Yale University

B.S. Computer Science & Economics

B.A. Statistics & Data Science

2017 - 2021

SKILLS

Technical

Python

C

HTML/CSS

Java/C++

React/Django

Javascript

R/MATLAB

PHP/SQL

Other

Full-Stack

Machine Learning

Artificial Intelligence

Computer Vision

Data Mining

LANGUAGES

English (Native)

Chinese (Professional)

COURSEWORK

Data Structures

Algorithms

Systems Programming

Linear Algebra & Matrix Theory

Computational Intelligence for Games

Data Mining & Machine Learning

Comp Vision & Biological Perception

Probability Theory

Theory of Statistics