# ALDER FRENCH

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**Website:** https://humanist-bean.github.io - **Github:** https://github.com/humanist-bean

## EDUCATION

**Bachelor of Science, Computer Science, University of Oregon, OR, USA - GPA: 3.37 - June 2023**

**Relevant Coursework:** Artificial Intelligence, Data Structures, Algorithms and Complexity, Game Programming, Operating Systems, Calculus with Theory

## SKILLS

- Programming Languages: Python, C, C#, C++, Solidity, JavaScript, TypeScript, PHP, HTML, CSS
- Platform/OS: MacOS, Google Cloud, Linux, Windows
- Applications & Frameworks: PyTorch, Unity, SvelteKit, WordPress, Web3js, TensorFlow, Selenium

## PROJECTS

- **MountainAI:** Built a website with an AI that identifies mountains given an image using **Selenium, FastAI, and SvelteKit.** Most of my work went into the website and image scraper, FastAI did the heavy lifting training the AI models once the I was able to provide it with 75,000 scraped images.
- **HungryAI - Combo Food Image GAN:** modified and trained SSAGAN model to generate images of combination foods after only being exposed to images of individual foods during training to experiment with zero shot learning and synthetic data generation. ML models were made with **PyTorch** and **ChatGPT** was used for label generation.
- **Duck Simulator Video Game:** Worked with 2 fellow programmers in my game programming CS class to create a game using **C#** and the **Unity3d** framework. Our game was a 3d platformer in which you control a Duck and try to do parkour, fight enemies, and collect feathers to win the game. Building the game with my colleagues was a lot of hard work but also very fun!
- **Custom WordPress Application**: Back in my freelance web developer days I created a WordPress application for a client so that he could easily manage listings on his car sales website with **WordPress, PHP, HTML, CSS,** and **JavaScript.**
- **Encrypted messaging on the Ethereum Network:** Researched whether it was possible to encrypt, send, and decrypt messages on the Ethereum blockchain with users' public and private keys for a client who contracted with No Cash Value, LLC using **Web3js.**

## EXPERIENCE

**2021 - 2022: OWNER,** NO CASH VALUE LLC
· Contracted to conduct blockchain research and development for Tree Cloud Products
· Researched authentication methods on ETH blockchain, for better management of NFTs
· Tested and confirmed that it is possible to send encrypted messages over the ETH blockchain using users' public (addresses) and private keys using web3.js as well as manually coded JSON-RPC calls

**2018 - PRESENT: FREELANCER,** WEB DEVELOPMENT AND MARKETING CONSULTANT
· Developed websites using WordPress, HTML, and JavaScript for various clients across the country
· Created and managed google ads campaigns, optimized websites' SEO, and collected traffic data

**2017-2018: SERVER,** POKI POKI LLC
· Food preparation and customer service in a fast-paced restaurant environment
· Performed cleaning duties at night and set up restaurant in the morning