

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: 3.33 - 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, Linux, Windows
- Applications & Frameworks: Unity, Web3js, WordPress, Angular, TensorFlow, FastAI, Selenium

PROJECTS

- **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. After confirming it was possible with some help from the **Web3js** framework, I worked on developing an **Angular** App/Website to help users encrypt, decrypt, and send messages on the Ethereum blockchain.
- **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. We split up the work such that I did a bit of everything, from designing the UI to working on the physics for attack collisions. Building the game with my colleagues was a lot of hard work but also very fun!
- **Mountain AI:** Built an AI that tries to identify mountains given their images using **Selenium** and **FastAI**. Most of my work went into the Python image scraper, FastAI did the heavy lifting training the AI models once the I was able to provide it with 150,000 images of mountains from Bing Images.
- **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**.

EXPERIENCE

2021 - PRESENT: **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

2020: **BIKE PATROL**, ADVANCED SECURITY INC. - EUGENE, OR

- Monitored downtown Eugene on a bike to maintain cleanliness and safety
- Worked 60+ hour weeks on multiple occasions to save money for college