HAYDEN S. WHITE

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EDUCATION

Purdue University - West Lafayette, IN   **August 2023**
  ➢ Bachelor of Science in Computer Science, Minor in Mathematics ~ (Dean's List 2023- | GPA: 3.7)

EXPERIENCE

Oneshot - Remote   **February 2024 - July 2024**
Part-Time Full Stack Software Engineer
  ➢ Led the migration from manual contract-based subscription handling to an automated system using Stripe's Webhook and Checkout API, streamlining billing workflows and managing over $25K in monthly recurring revenue (MRR) across multiple concurrent subscriptions within customer organizations
  ➢ Developed a credit system that manages customer usage of third party APIs to prevent product exploitation and overspending
  ➢ Designed and implemented an interface for salespeople to help simplify prompt engineering for sales prospecting emails

Oneshot - Remote   **October 2023 - February 2024**
Software Engineering Intern
  ➢ Specialized in integrating and managing third-party services and reducing accrued tech debt in a large codebase
  ➢ Implemented website and news scrapers using SDKs and REST APIs for collecting prospect research
  ➢ Collaborated daily with teams consisting of domestic and international developers to create effective solutions

Floop - Seattle, WA   **July 2022 - Aug 2022**
Software Engineering Intern
  ➢ Designed and implemented five full-stack features and resolved 10+ bugs for a feedback-driven learning platform
  ➢ Deployed contributions to over 5,000+ students and teachers users across the U.S

GenUI - Seattle, WA   **June 2021 - Aug 2021**
Consulting Intern
  ➢ Designed app prototypes for Microsoft Teams and evaluated potential market fit in the business communication sector
  ➢ Created reports on success factors for key company software consulting roles by interviewing employees across different teams

RECENT PROJECTS

ArbiTrade   **November 2024 - Current**
  ➢ Developed a market analysis tool leveraging Retrieval-Augmented Generation and vector datastores to provide real-time insights into prediction markets, identifying undervalued and overvalued markets with targeted short/call recommendations.
  ➢ Integrated SerpAPI and NewsAPI to fetch, store, and analyze scraped articles, enabling sentiment-driven trading strategies
  ➢ Developed an interactive dashboard with event views, market analysis, logs, and AI-powered research, resulting in over $4,000 profit from a $20 initial investment (20,000% ROI)

Simple-C Compiler   **October 2024 - December 2024**
  ➢ Wrote a simplified C compiler using Flex/Bison to translate code into x86-64 assembly, leveraging a register stack for intermediate expressions
  ➢ Designed symbol table management for variable management, type inference, and memory addressing in the parsing process
  ➢ Supported key features like arithmetic, control flow, and function calls, contributing to the generation of optimized assembly

UpliftMe   **June 2024 - September 2024**
  ➢ Developed a novel full-stack MERN app that leverages LangChain and agent tool calling to create dynamic, personalized roadmaps, helping users achieve their goals and learn new skills effectively based on their unique learning preferences.
  ➢ Built a API-driven suggestion system to recommend relevant books, courses, websites, and YouTube videos
  ➢ Deployed the backend on AWS with Elastic Beanstalk, Route 53 (domain management), S3, and the frontend on Netlify

SKILLS

Languages: Typescript, Python, Java, C, x86_64 ASM, HTML/CSS
Frameworks/APIs: React, Node.js, Next.js, Express, Stripe API, Pandas, Flask, Tailwind CSS, RESTful APIs
Tools/DBs: Git, Unix, AI workflows (Cursor, Copilot, ChatGPT), AWS (EC2, EB, Route53), Netlify, MongoDB, MySql, Firebase