

# ADDISON W. GOOLSBEE

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## EDUCATION

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**Yale University**, New Haven, CT

*Expected Graduation: May 2025*

Bachelor of Science in Computer Science | GPA 3.83

Relevant Coursework: Systems Programming, Algorithms, Data Structures, Digital Systems, Object-Oriented Programming, Intelligent Robotics, Linear Algebra, Computer Architecture

## TECHNICAL SKILLS

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**Proficient:** Python, C/C++, JavaScript/TypeScript, Java, HTML/CSS, Unix, Linux, Bash scripting, Git, Docker, React/React Native/Redux, Cypress, Django, Firebase, REST APIs, SQL, Prisma (ORM), Agile, JIRA, Express.js, Stripe, Unity, networking

**Familiar:** Swift, Assembly (x86), Racket (Lisp), Photoshop, CAD, Ancient Egyptian Hieroglyphs

## WORK EXPERIENCE

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**BlackHorse Solutions (a Parsons Company)** *Software Engineering Intern*

*June 2023 – August 2023*

*Cybersecurity & intelligence subsidiary of \$6b defense and infrastructure engineering firm*

- Developed CLI generator for APIs using FastAPI, Typer, and Docker (10-week project completed in 2.5 weeks)
- Conducted thorough unit and integration tests using Pytest & Robot Framework. Ensured robust quality via JIRA
- Developed network, hardware, and browser cyber security tools and practices, & set up specialized security servers (controlled information)

**Computer Architecture and Security Lab** *Research Assistant*

*July 2022 – Present*

- Developed scripts to analyze, compare, and display info about brightness/color frequencies of different videos

**NorthStar Wearable Technology** *Software Engineering Intern*

*June 2022 – August 2022*

*University of Chicago: TMW Center-backed startup developing a wearable, natural language processing device to assist at-risk young children's cognitive development.*

- Developed Cypress scripts to automate API endpoint testing via CRUD operations. Designed 300+ tests
- Performed thorough QA testing for both frontend and backed sides; found 80+ bugs/security flaws

**Student Technology Collaborative** *Student Tech*

*October 2022 – Present*

- Diagnosed and fixed hardware and software for Yale students

## SELECTED PROJECTS AND EXTRACURRICULARS

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[Yale Butteries](#) (available on The App Store)

*October 2021 – Present*

*Frontend: React Native with TypeScript and Redux. Backend: PostgreSQL, Express.js, Prisma*

- Lead the creation and development of the food ordering app for all 14 residential college butteries (snack shops)
- Prototype won first place at Yale Co-Create Hackathon 2021
- Implemented Stripe payments, CAS login, Docker, endpoints, deployment/hosting
- Recruited and managed seven-person team to build out the app

**Yale Computer Society**

*May 2023 – Present*

- Elected president of Yale's largest computer science organization (200+ members)
- Guided and oversaw the development of seven project teams such as coursetable.com
- Created YCS Catalyst pipeline program for inexperienced developers to join project teams
- Created the first sponsorship program and secured funding from companies like Bloomberg and Jane Street
- Remade the organization's website [yalecomputersociety.org](https://yalecomputersociety.org)

**Miscellaneous Coding Projects:** See [GitHub](#)