

# HARSH DEEP

harsh.deep.3984@gmail.com | (929) 668-0668 | linkedin.com/in/harsh183 | github.com/harsh183

---

## EDUCATION

### University of Illinois at Urbana-Champaign

Bachelor of Science in Computer Science and Statistics

Aug 2018 - May 2022

Cumulative GPA: 3.68/4.0

**Courses:** Data Structures, Systems Programming, Cognitive Engineering (grad),

Statistical Analysis, Statistics and Probability I&II, Methods of Applied Statistics

## EXPERIENCE

### Modern Treasury

Mar 2024 – Current

Software Engineer II

- Tripled the international SWIFT Wire Transfer Currencies Available on the platform to over 80 countries
- Contributed to \$437k in additional annual revenue through helping land enterprise deals based by improving banking integrations at many of the world's largest banks

### Modern Treasury

July 2022 – Feb 2024

Software Engineer

- Implemented new banking integrations automated low-cost international payments terminating in the UK (BACS/CHAPS), Europe (SEPA, Nordic countries), Australia (BECS) and Hong Kong (CHATS) which collectively represent millions of dollars being moved per month

### University of Illinois at Urbana-Champaign

Jun 2021 – Aug 2021

REU Intern – Human Computer Interaction

- Collaborated in a team of 4 researchers that developed an accessible live broadcast player (React, Redux, DvaJS), creating the first widely accessible Board of Trustees operation across 3 universities.
- Implemented ARIA support on 3 different website features and fixed keyboard accessibility for 28 actions.
- Filed 27 issues related to accessibility and feature improvements, outlining a future roadmap for a team of 10+ developers.

### University of Illinois at Urbana-Champaign

Jan 2021 – May 2021

Head Course Staff

- Co-led a group of 200+ undergraduate and graduate staff teaching CS to 600+ students in Java and Kotlin.
- Spearheaded an initiative that selected 17 reading articles exploring the ethics and diverse issues of CS that impacted 8-16% of weekly exam grades.
- Established a new check-in and meeting structure with 124 total responses to uplift diverse staff opinion.
- Awarded the Fisher Outstanding Course Assistants award, given to 5 people across the CS department.

## PUBLICATIONS

**Validating Trust in Human-Robot Interaction Through Virtual Reality: Comparing Embodied and “Behind-the-Screen” Interactions (2<sup>nd</sup> Coauthor)** 2023

AHFE (2023) International Conference USA. Emerging Technologies and Future of Work - 10.54941/ahfe1004408

**What's This? A Voice and Touch Multimodal Approach for Ambiguity Resolution in Voice Assistants (4<sup>th</sup> Coauthor)** 2021

23rd ACM ICMI - International Conference on Multimodal Interaction - 10.1145/3462244.3479902

**Measuring Complacency in Humans Interacting with Autonomous Agents in a Multi-Agent System (2<sup>nd</sup> Coauthor)** 2020

SPIE Artificial Intelligence and Machine Learning for Multi-Domain Operations Applications II - 10.1117/12.2559474

## ACTIVITIES

### Summer of Side Projects - [125summer.tech](https://125summer.tech)

April 2021 - Present

Founder and Head

- Created an informal class to help people kickstart 65+ side projects with 162 students from 12 countries.
- Handled the organization, managed the forum, gave individualized project feedback, and managed 10 staff.
- Held 5 different code-along workshops in Python and JavaScript - Chatbots, Web Scraping, Responsive Command Line Interfaces, Browser Extensions, and React.
- Invited as one of two undergraduates to present the program at the [Inaugural Illinois Computer Science Teaching Workshop](#) to an audience of over 100 educators from several countries across 2 years.

## SKILLS

### Languages

Java, Ruby, Python, JavaScript, TypeScript, Kotlin, C/C++, Golang, C#

### Technologies

Rails, React, NodeJS, RabbitMQ, Linux, Git, Selenium, PostgreSQL, Docker, Firebase, AWS