

Jwala Mitra

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Objective: a third-year Bachelors CS student with professional experience seeking an internship for Summer 2022 to apply my existing skills and gain more experience in the software industry

SKILLS

Languages: Java, C, Python, JS, **Markup Languages:** HTML, CSS

Databases: SQL, MongoDB, Neo4j, **Other:** Git, Apache Spark, Confluent Kafka, Databricks, CAD, Qualtrics

EDUCATION

Purdue University; *West Lafayette, IN*

2019-Present

- Expected B.S. in Computer Science (Machine Intelligence Track), Certificate of Entrepreneurship and Innovation; EGD: May 2023
- Relevant Courses:
 - Current: Introduction to Relational Database Systems, Web Information Search and Management
 - Completed: Systems Programming, Information Systems, Data Structures & Algorithms, Computer Architecture
- Key Projects: malloc() implementation, Bourne shell in C, Multi-threaded HTTP web server, Regional and global networks using Graphs

EXPERIENCE

Data and Analytics Engineering Intern, *Align Technology*

Jun-Aug 2021

- Transitioning data streaming from EventHub to Confluent Kafka (helping company-wide synchronization)
- Utilizing Apache Spark, Confluent Kafka, Java, Scala, Python, Azure on a daily basis

Research Alumni Mentor, *UC Santa Cruz Summer Internship Program*

Jun-Aug 2021, Jun-Aug 2020

- Providing SIP attendees guidance with research, college applications, and academic goals

Human Computer Interaction-CS Intern, *Stanford University*

May-Aug 2020, Oct 2018-Oct 2019

HCI-CS research projects under Professor J. Landay, Professor E. Murnane, and Stanford students

- May 2020-Aug 2020: Web-dev (client-side Janus WebRTC, JS); experimental design; Twitter query algorithm development (determined query variables, studied algorithm features and past experiments)
- Oct 2018-Oct 2019: Researched methods vehicles can foster creativity in families; created Amazon Alexa-integrated Ambient Mood Orb product, experimental design to test human interactions in vehicles

CS/Engineering Intern, *UC Santa Cruz Summer Internship Program*

Jun-Nov 2018

CS/Engineering research for publication under Professor M. Teodorescu w/DANSER lab

- Created robots to mimic caterpillar swarm behavior; Arduino, CAD, sensor testing and data analysis

Summer Intern, *Girls Who Code @ Intuit, Inc.*

Jun-Jul 2017

- Built website to improve health in YA females: <https://santedefemme.github.io/home/homepage.html>

PROFESSIONAL CONFERENCES

Alexa Live, *Amazon*

Jul 21, 2021

- Attended virtual event for Alexa skill builders to learn about the latest product advances in voice technology
- Workshops: How to Design for AI, Build Personalized Experiences, Alexa Smart Properties

Hello World Hackathon, *Purdue University*

Sept 14-15, 2019

- Designed AI tutoring product (team of 4); learned AI software implementation techniques; presentations

Sigma Xi Student Research Conference, *Scientific Honor Society; San Francisco, CA*

- Presented Multi-Layered Rolling Swarm Locomotion: <https://tinyurl.com/SIPresearchposter> Oct 27, 2018

ORGANIZATIONS

Puzzle Day/Web-dev Committees, *Computer Science Women's Network*

Aug 2019-Present

- Puzzle Day and Web Development committees

Treasurer, *Boiler Bhangra (Nationally Competitive Dance Team)*

Aug 2019-Present

- Student Organization Treasurer Certificate Award in Student Organization Leadership Development (2021)
- Handle team financials and fundraising; travel for competitions
- 3rd place winners @ Buckeye Mela, Ohio State University, 2021