

# Jwala Mitra

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**Objective:** an undergraduate 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

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**Languages:** Java, C, Python, JS

**Markup Languages:** HTML, CSS

**Databases:** SQL, MongoDB, NEO4J

**Other:** Apache Spark, Confluent Kafka, Databricks, CAD, Qualtrics

## EDUCATION

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**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

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**Data and Analytics Engineering Intern, Align Technology**

Jun-Aug 2021

- Transitioning data streaming from EventHub to Confluent Kafka
- Apache Spark, Confluent Kafka, Java, Scala, Python, Azure

**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

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

## PROFESSIONAL CONFERENCES

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**Alexa Live, Amazon**

Jul 21, 2021

- Interactive virtual event for Alexa skill builders

**Hello World Hackathon, Purdue University**

Sept 14-15, 2019

- Weekend hackathon; worked in a team of 4 to ensign an AI tutoring product; learned how to implement AI software; competition presentations

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

Oct 27, 2018

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

## ORGANIZATIONS

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

Aug 2019-Present

- Puzzle Day and Web Development committees

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

Aug 2019-Present

- handle team financials and fundraising; travel for competitions