

# Kajal Patel

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## EDUCATION

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### University of California, Davis

September 2019 - Present

*B.S. Computer Science, Anticipated June 2023*

- Relevant Coursework:
  - Data Structures and Algorithms; Object-Oriented Programming
  - Programming Languages; Discrete Math
  - Calculus I – III
  - General Chemistry I & Engineering Physics I

### Santa Clara University

June 2018 – July 2018

*Young Scholars Program, High school participant*

- Courses: Introduction to Engineering Lecture and Laboratory
- Engineered a tower, wind turbine, prosthetic hand, and Arduino circuits.
- Created and presented an automatic watering device to SCU faculty.

## EMPLOYMENT

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### RefocusAI | Sacramento, CA

June 2020 - August 2020

*Software Development Intern*

- Collaborated with CTO and ML engineer to design and create beta release product
- Wrote production code consisting of Django REST API endpoints and new features for autofilled PDF forms as well as analyzing user data. Python 3, MongoDB, AWS S3, Angular 9
- Utilized endpoints to retrain machine learning models, incrementally train models, process training datasets, and get model metadata. AWS SageMaker
- Devised and implemented unit tests to check response of each endpoint
- Gave a technical presentation to the company and its advisors

### Pinterest | San Francisco, CA

June 2020 – July 2020

*Pinterest Engage Scholar*

- Unpaid professional development series for 40 students
- Weekly C++ coding challenges and meetings with Pinterest mentor on the Security team
- Weekly sessions consisting of developing interpersonal and technical skills
- Engaged in various software engineering workshops lead by Pinterest employees

### Archbishop Mitty | San Jose, CA

June 2020 – July 2020

*Teacher's Assistant for Introduction to Computer Science*

- Assisted 30 students in the Introduction to Computer Science class
- Helped with implementing Java programs and fixing compile/runtime errors
- Responsible for teaching how to design and code the game, Snake
- Explicated basic data structures and syntax

### Girls Who Code at Amazon | Sunnyvale, CA

June 2017 - August 2017

*Summer Immersion Program*

- 1 of 20 girls in the GWC Summer Immersion program at Amazon
- 1 of 4 girls which programmed and presented a website about immigration to 10 Amazon employees
- Collaborated with peers on multiple programming projects and developed interpersonal skills
- Learned Python, Java, JavaScript, CSS, HTML, and C++ for Arduino

## PRESENTATION

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**Kajal Patel.** *Intern Technical Presentation*, RefocusAI, August 20, 2020.

**Kajal Patel,** Agueda Ulloa, Urvashi Mahto, Samantha Aguilar. *Consonance Presentation*, Amazon, July 2017.

## ACTIVITIES

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**Project RISHI** | Davis, CA

September 2019 - Present

*Coding Team Member*

- Developed curricula to teach 5<sup>th</sup> standard students Scratch and how to program a Mbot robot.
- Created a 50-page computer literacy curriculum to teach villagers necessary computer skills: email, online directions, Internet searches, weather, spreadsheets, word processors and etc.

**CS4K** | Davis, CA

September 2019 - Present

*Teacher at Woodland Public Library*

- Taught Scratch to 3<sup>rd</sup> through 5<sup>th</sup> graders for 3 hours a week
- Children learned about basic programming logic and data structures
- Designed and created various games using these concepts for the children to program

**HackDavis Hackathon** | Davis, CA

January 2020

*Creator of WaterFootprint*

- Worked with two peers to create Java based Android app. Java, XML
- Informs and educates users about the water consumption of their clothing based on their spending habits.
- Aims to educate users about their water footprint and recommend ways to live more sustainably

**IOS Developer** | Cupertino, CA

June 2018 – November 2018

*Creator of CleanLiving*

- Created Swift based IOS app
- Users input the ingredient of any food product and discover if any ingredients are carcinogens

## HONORS & AWARDS

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- Bronze, UC Davis Community Service Award May 2020
  - Awarded for my involvement in Project RISHI to promote sustainability in Andimadam, India by working to advance the computer literacy of its villagers.
- Rising Star, NCWIT Aspirations in Computing Bay Area February 2019
  - Awarded for my pursuit and aspirations in computing.

## LANGUAGES | TECHNOLOGIES

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C++, C, Java, Python, HTML, CSS, JavaScript, TypeScript, Angular 9, XML

AWS services, MongoDB, Django REST, UNIX shell, Linux Ubuntu

Visual Studio, Insomnia Rest client, XCode, Android Studio