

# Kush Patel

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## Career Profile

Highly motivated, innovative, and career-oriented data scientist professional having significant expertise in identifying valuable data sources, automating collection processes, combining models, proposing strategies, and presenting information using data visualization techniques. Proficient in software development like networking, operating systems, database management or applications. Capable of deploying programs, debugging existing software, creating technical documentation for reporting and reference to meet user needs. Looking for an opportunity where my design thinking ability in data is put to use.

## Education

University of California, Berkeley, CA | Bachelor of Arts in Data Science

May 2022 - May 2024

**Relevant Coursework:** CS61A: **Structure Interpretation of Computer Programs (Python, SQL)** CS61B: **Data Structures (Java)** DATA8: **Foundations of Data Science (Data Analysis)** CS70: **Discrete Math and Probability (Probability Theory, Discrete Math)** DATA100: **Principles of Data Science** DATA101: **Data Engineering (Advanced Database Manipulation)** DATA144: **Data Mining and Analytics (Advanced Data Analysis)** STAT134: **Concepts of Probability (Statistics Theory)** DATA102: **Data Inference and Decisions (Data Decisions)** CS188: **Intro to Artificial Intelligence**

## Professional Experience

DEPARTMENT OF JUSTICE APPLICATION DEVELOPMENT BUREAU

Jun 2023 - Aug 2023

STUDENT ASSISTANT PROGRAMMER

- Examined and tested recently deployed software applications; worked on Table Maintenance project in AngularJS to deploy updates and decreased overall bug count by 23% as a result of software analysis.
- Demonstrated my collaboration and drive for excellence in programming, specifically in SQL and JS programming

DEPARTMENT OF JUSTICE: CRIMINAL JUSTICE INFORMATION SERVICES

Jul 2020 - Jan 2022

STUDENT ASSISTANT PROGRAMMER

- Committed responsibility for the seamless migration of the Criminal Justice Information Services online repository to Confluence, including over 500 resolved issues within the Jira application, and efficiently processed SQL database information on client firearm license submissions
- Examined and tested recently deployed software applications; articulated bugs, exploits, and security vulnerabilities

BRINGING BACK SMILES FOUNDATION

Sep 2021 - Sep 2022

FOUNDER | LEAD WEB DEVELOPER | LEAD MOBILE DEVELOPER | UX STRATEGIST

- Pioneered the establishment of a COVID-19 relief Non-Profit Organization, driven by a clear purpose to raise funds and awareness during the pandemic, raised over a thousand dollars in finances towards cause.
- Directed the development and publication of a user-friendly iOS mobile application and website, with scope designed to engage supporters and fund research groups, directed human factors

APPOTHEM | Founder | Sacramento, CA

## Leadership & Projects

TEXTJOURNAL | SOFTWARE ENGINEER | RESEARCH LEAD

Jan 2023 - Present

- Collaborating with Twilio, Flask, and Replit to develop TextJournal, a mental health app that records a user's daily thoughts and feelings by using cloud computing and the built-in SMS feature of a smartphone.
- Exemplifying the useful application of Python, RESTful API, SQL database manipulation, data analytics, business intelligence, and analytical problem-solving in real-world scenarios.

SIGMATRADE | SOFTWARE DEVELOPER | DATA ANALYST

May 2020 - Present

- Personal project made in Java created to utilize mass social media analysis (specifically Twitter/X) and algorithmic stock market trading with intent of having a stock market advantage. Used intense research and development for analytics.
- Currently being back tested with historical market data to gauge predictive accuracy and performance to meet user needs.

## Skills

**Languages:** Python, C, Java, R, C++, JavaScript, SwiftUI, React AI, React Native, Objective-C, Swift | **Tools:** AWS, Microsoft Office, Agile, Git, Android, Blockchain, Flask, TwilioAPI, RESTful API, Pandas, NumPy, Invision, Miro, Figma, Sketch, R&D, Photoshop | **Databases:** MySQL, PostgreSQL, MongoDB | **Web Technologies:** PHP, JavaScript, HTML5, CSS, jQuery, AngularJS, WCAG | **Other:** Public Speaking, Accountability, Communication, Creativity, Organization

**Awards:** IGETC Certification from American River College | Seal of Biliteracy (French) | International Baccalaureate Diploma | Natomas Chamber of Commerce Scholarship | Natomas NextGen Computer Grant Award | NUSD Recognition of Excellence in Technology Award