

VIREN KHANDAL

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BERKELEY.ACADEMIA.EDU/VIRENKHANDAL

SKILLS

- Technical Competencies: Python, R, Java, HTML, JavaScript, CSS, Flask, Unity
- Software and Technologies: AWS, Robot Operating System, IBM Watson
- Interpersonal: Leadership, Communication, Collaboration, Adaptable

PROJECTS/ PUBLICATIONS

- The Beginnings of a Search Engine: Basic level Page Rank model with data mining classifiers
- Determining the Causalities of Network Delay and Latency: Correlational analysis of network communication data
- IBM Watson Facial Recognition: Enabled security camera to recognize familiar faces using Reinforced Learning

HIGH SCHOOL

American High School, Fremont, CA
2015-2019

- DECA Business Club:
 - Vice President of Management
 - Top 10 International Winner (2017 & 2018)
- Science & Math Olympiad:
 - Won 2nd place in regional physics competition
- French Club:
 - Co-President of French
 - Platinum Award Winner (Top 1% in nation)
 - Awarded Bi-literacy Seal by State of California

HIGHER EDUCATION

B.A. COMPUTER SCIENCE & APPLIED MATHEMATICS

University of California, Berkeley, CA

CS61A: Structure and Interpretation of Computer Programs

CS61B: Data Structures

HIGH SCHOOL SUMMER COLLEGE

Stanford University, Palo Alto, CA

STATS202: Data Mining and Analysis

CS193C: Client-Side Internet Technologies

EXPERIENCE

SENIOR MENTOR - COMPUTER SCIENCE MENTORS

January 2020 – May 2020

- Lead weekly tutoring sessions for Electrical Engineering students
- Assist in training of other senior/junior mentors

INTERN - BERKELEY SKYDECK

October 2019 – February 2020

- Designed and developed Python-based dashboard web-app using Flask and Jinja
- Utilized MySQL to connect web-app to dynamically updating database

INTERN – ON.LAB, MENLO PARK, CA

July 2018 – Present

- Innovated and deployed new UI for key Network Providers (AT&T, Google) using Python and JavaScript
- Implemented 30+ unit and node tests to validate UI modules
- Led team in development of 20+ pages of project documentation

WEB DEVELOPER – AMAZON WEB SERVICES

June 2016 – Present

- Employed Python code and AWS tools (Lambda, S3, Polly, etc.) to publish NLP-based interactive Amazon Alexa skills
- Invited to attend AWS Summit in San Francisco (2017, 2018)
- Awarded Top 3 Innovative App at AWS Summit Hackathon

LAB VOLUNTEER – STANFORD AI LAB

June 2018 – August 2018

- Utilized Robot Operating System (ROS) to understand data models of JackRabbit (self-driving navigational robot)
- Analyzed, planned, and interpreted numerical and video data using R and Python to create data models for visualization of human interactions/behavior

CO-FOUNDER – MISSION EDU

June 2015 – December 2018

- Co-founded organization that delivers free, quality tutoring to K-8 students at 3 Alameda County Library branches