Veeral **Bhagat**

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Education

University of California, Irvine | Irvine, CA — **Grad: Spring 2020**

Bachelor of Science in Computer Science

- **GPA**: 3.94/4.00
- **Awards**: Hack USC 2019 Winner for Best Use of Smartcar API, Hack UCI 2019 Winner for Hacker's Choice & Best UI/UX, Hack UCI 2018 Winner for Most Addicting App

Employment

Akuna Capital | Software Engineer Intern — **Jun 2019 – Aug 2019**

Solace, Python, Asyncio, Tornado, React, Typescript, PostgreSQL

- Implemented a reference contract mapping service to provide traders with more data for strategy development & to allow more specific risk limits to be set, saving the firm from potential large losses.
- Built APIs for Akuna's next-gen trade limit service that monitors trade risk; optimized using asynchronous programming to make operations 25% faster.
- Created a visualization tool in **React** where users can compare complex aggregations of historical trades to analyze the performance of different trade limits.

University of California, Irvine | Software Engineer (Part-Time) — **Sep 2018 – Jun 2019**

TypeScript, Python, React, PHP, Drupal, Firebase

- Created an events & ticketing web app using **Drupal** and **PHP** to support many of my university's departments in the hosting & promotion of their event details.
- Implemented core features of a mobile app using **React Native** and **Firebase** for the data endpoints.
- Parsed JSON data from a Drupal website dump in **Typescript** & hosted on Firebase Cloud Functions.

Aetna | Software Engineer Intern — **Jun 2018 – Aug 2018**

Java, Python, Pandas

- Developed an application in **Java** that analyses & scores transaction data to detect fraud and outputs a deliverable report to help management assess daily risk scores.
- Fixed bugs & inefficiencies in production code that resulted in inaccurate scoring for anomalous behavior.

Projects

Emocean | Hack UCI 2019 Winner for Hacker's Choice & Best UI/UX

Python, React, Flask, Microsoft Azure, Google Firebase

- Web application that produces a detailed analysis of a user's emotions while they are watching a YouTube video as compared to others who watched the same video.
- Built backend using **Flask** & made periodic calls to **Microsoft Azure**'s Face API for image recognition, with raw data stored in **Firebase**.

Pokegatchi | Hack UCI 2018 Winner for Most Addicting App

Unity, C#, Vuforia

- Mobile game where users can participate in AR Pokémon battles against CPUs by holding up a Pokémon card to their phone's camera.
- Created using **Vuforia** for the AR and image recognition components & **Unity** to render the 3D models.

Languages and Technologies

Languages: Python, Java, C, C++, JavaScript, HTML/CSS, PostgreSQL
Frameworks: React, Flask, Tornado/Asyncio, Pytest
Tools: Git, Drupal, Linux, Docker, Anaconda