

Vir Bedi

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EDUCATION

University of California, Santa Barbara

Santa Barbara, California

Bachelor of Science in Computer Science / Senior

Expected 12/2020

- Suzan Duckworth Scholarship for Academic Excellence
- Phi Theta Kappa Honor Society

PROJECTS

- Productiv – iOS Productivity app that lets users organize and schedule tasks, write and categorize notes and set time-blocking timers to boost productivity. Using UIKit, Autolayout and a Realm Database.
- 08/2020
- Waveform Calculator – Python application that takes a song and compares its waveform characteristics to a dataset and recommends similar songs using my own beat tracking and wave feature algorithm implementations.
- 05/2020
- Light Field Camera – C++ application that simulates the focus of a camera with variable focal length and renders 3D scenes with a depth of field blur.
- 12/2019

EXPERIENCE

Vida Health

San Francisco, California

iOS Development Intern, Member Experience Team

06/2020 to 09/2020

- Working on Vida's iOS Application, using Programmatic layouts, UIKit and CocoaPods.
- Implemented new content browsing and showcasing feature with custom animations, navigation using GraphQL.

Software Engineering Intern, Enterprise Infrastructure Team

06/2019 to 09/2019

- Improved backend security by replacing Django login with Single Sign On (SSO) using SAML2.
- Added functionality to unlock user accounts after multiple incorrect password attempts.
- Implemented Split.io feature flag capability to Python Flask microservice.

FitFetti Inc.

San Francisco, California

Product Development Intern

06/2018 to 08/2018

- Updated webpages and added social media integration to their website.
- Created user surveys and gathered customer feedback data to make improvements to the FitFetti Mobile App

College of San Mateo

San Mateo, California

International Student Ambassador, Center for Global Engagement

01/2017 to 05/2018

- Organized 7 college festivals and events to showcase diverse cultures such as the CSM Annual World Gala with 250+ attendees.
- Assisted the department with administrative work.

TECHNICAL SKILLS AND ACTIVITIES

Languages: Java, C++, Swift, Python, HTML, XML, LaTeX

Frameworks: CSS, JUnit, TravisCI, Flask, Django, UIKit, MVC, React

Others: Android Studio, XCode, Firebase, Heroku, Git, Jira, Agile, Rest API

Coursework: Machine Learning; Artificial Intelligence; Object Oriented Design; Computer Architecture; Multimedia Systems; Operating Systems; Compilers; Computer Graphics; Mobile Dev