Yash Bhambhani | Fullerton, California
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Objective

Graduate with dependable programming, detail-oriented problem-solving, and soft skills looking for a full-time position as an entry level Software Engineer.

Education

Bachelor's in Computer Science	**Graduated: May 2020**
California State University, Fullerton CA	CSUF GPA: 3.5
Honors: Dean's List (4 semesters)	Cumulative GPA: 3.3

Bachelor's in Computer Science and Certified Graphic Designer	**Transferred: Dec 2017**
LA Pierce College, Woodland Hills CA	GPA: 3.2

Work Experience

California State University, Fullerton – *Research Assistant*   **Aug 2019 – Present**

▶ **Multimodal Biometrics via Discriminant Correlation Analysis**   *Jul 2020 - Present*

Improving previous iteration of the project by introducing artificial neural networks to **extract, fuse, and classify** features to predict the biometric identity of a trained sample across various imposter samples.

    Tech used: **Python, DNN, Scikit-learn, TensorFlow, Keras, Librosa, Open-CV, Numpy, Pandas, VS Code, GitLab**

▶ **Multimodal Biometrics via Discriminant Correlation Analysis**   *August 2019 – Mar 2020*

- Developed detectors that would **extract, fuse and train features** from voice and face samples found in MoBio dataset, to predict the biometric identity of a trained sample across various imposter samples.
- Improved performance and accuracy of previous iteration by 9.62%, with EER of fused set outperforming unimodal set by 59.40% on average. Model was trained using traditional Machine Learning classifiers: SVM, KNN, RF, LDA, and QDA.

    Tech used: **Python, Scikit-learn, Librosa, Open-CV, Numpy, Pandas, VS Code, GitLab**

Relevant Coursework

- Software and Web Development
- Object-Oriented Programming and Data Structures
- Machine Learning and Data Science
- Artificial Intelligence and Algorithms

Academic/Personal Projects

SalesPLUS – *Personal project (Repo link on portfolio)*   *May 2020 - Present*

Developed a full-stack .NET web app, which generates purchase, inventory, sales, and user reports by obtaining and storing data through an SQL relational database.

    Tech used: **C#, ASP.Net, SQL, JavaScript, jQuery, HTML5, CSS3, Visual Studio, GitHub**

COVID-19 Tracker – *Front End Web Dev 2 (yash-b.github.io/CoronaTracker)*   *Spring 2020*

Developed and deployed a webpage that pulls and publishes COVID-19 statistics (number of active, recovered, and fatal cases) by utilizing MathDroid API. Designed custom logo and icons for the webpage on Adobe Illustrator.

    Tech used: **React, JavaScript, Bootstrap, HTML5, CSS, Adobe Creative Suite, GitHub pages, VS Code, GitHub**

Crossy Roads– *Game Development 2 (Repo link on portfolio)*   *Fall 2019*

Developed the famous game Crossy Roads using unreal engine, and its blueprint programming. Added chicken as the main player and cars, trucks, and railroads as the obstacles.

    Tech used: **Unreal Engine 4, UE Blueprints, C++, MagicaVoxel, VS Code, GitHub**

Super Mario – *Game Development 2 (Repo link on portfolio)*   *Fall 2019*

Developed 2 worlds of the well-known Mario with 4 sub-world each, using pygame and PiskelApp to make sprites. Project consisted of sounds, scoring, lives, and all the other components of Mario. All components made with OOPs.

    Tech used: **Python, Pygame, PiskelApp, Visual Studio Code, VS Code, GitHub**

Technical Skills

Programming Languages	: Python, C/C++, Java, JavaScript, PHP, HTML5, CSS3, MySQL, jQuery, React, Bootstrap
Tools and IDEs	: VS Code, Sublime, Visual Studio, REST API, Photoshop, InDesign, Illustrator
Project Management, OS	: Git, GitHub, Jira, GitLab, Google Drive, Slack, Windows, MAC, Ubuntu, Drupal9

Leadership Experience

Organized multiple on-campus events like New Student's Orientation, Dean's Thanksgiving Dinner, and club events.