Veeral **Bhagat**

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Education

University of California, Irvine *Expected Grad. 2020*

B.S. in Computer Science

- **GPA:** 3.94/4.00
- **Awards:** Hack UCI 2018 Winner for Most Addicting App & Most Polished Game, Dean's Honor List (6 quarters)

Experience

Web Application Developer *Irvine, CA*

University of California, Irvine *September 2018 - Present*

- Developed web based applications in **HTML/CSS** & **JavaScript** for different departments throughout the university.

Cyber Security Software Intern *Hartford, CT*

Aetna *June 2018 - August 2018*

- Developed a full stack application in **Python** that analyses & scores transaction data to detect fraud and outputs a deliverable report to help management assess daily risk scores
- Wrote classifiers in **Python** using several supervised machine learning algorithms to help predict malicious behavior.
- Fixed bugs & inefficiencies in production code and databases that resulted in inaccurate scoring for anomalous behavior.

Research Assistant (Software) *Irvine, CA*

Department of Neurobiology and Behavior, UC Irvine *August 2017 - June 2018*

- Assisted in the improvement of an image registration program in **Python** and **MATLAB**, increasing overall efficiency.
- Worked with a self-learning **MATLAB** program that helps identify regions of interest in brain images.
- Wrote **Python** scripts to automate commonly executed procedures, eliminating the need for constant supervision.

Graphic Designer / Marketing Web Developer (Marketing Coordinator) *Irvine, CA*

University of California, Irvine *July 2017 - June 2018*

- Thoroughly overhauled and regularly updated official websites utilizing advanced **HTML/CSS/JavaScript** techniques.
- Increased website traffic & interaction by over **600%** than last year.

Projects

Pokegatchi

Android/iOS App *Unity, C#*

- Mobile application that renders an augmented reality 3D model of a Pokemon by looking at its Pokemon card.
- Includes various modes, like a battle mode where the user can battle their Pokemon against an AI.
- **Won Hack UCI 2018** for Most Addicting App & Most Polished Game.

Optical Text Recognition

Software *Python*

- Application that allows the user to translate text from an image (or canvas) into a usable digital format.
- Utilizes a supervised machine learning algorithm for letter prediction.
- Currently writing a neural network to achieve more accurate readings of handwritten text.

Cloud Screen Recorder

Software *Python*

- Application that allows users to record & upload their screen to video hosting websites, like Youtube & Streamable.com.
- Utilized the command line FFmpeg framework and constructed a full GUI around it.
- Created a Python **RESTful API** wrapper for Streamable.com to simplify dynamic video uploading (available to public).

bhagatv.com

Website *HTML, CSS, JavaScript/jQuery*

- Portfolio website created without the help of templates/ frameworks that showcases my web dev. and UI knowledge.
- Utilizes JavaScript parallax scrolling to embetter user experience.

Skills & Languages

Python   Java   HTML/CSS   JavaScript   C++
MATLAB   Git   Linux   mySQL/SQL   R