Rafit Jamil

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⚡ SKILLS

Languages: C • Python • JavaScript • C++ • HTML/CSS • Swift
Tools: Node.js • React • MongoDB • Firebase • Adobe Suite • Git • VHDL
Extensions: Keras • Tensorflow • PyTorch • OpenCV • Express • jQuery • Sass

★ EXPERIENCE

Design and Web Lead • Action CIND
Summer 2016, 2017, 2018
- Designed and developed charity website (1,000+ yearly visits) using **HTML/CSS** and **JavaScript**.
- Implemented secure donation and contact forms with **PayPal API**, **Node.js** and **MongoDB**.
- Led 12 remote designers and programmers in updating website and creating professional print/digital content for social-media campaigns.

Multi-Media Developer • Festive Currents
Summer 2017, 2018
- Built interactive, multi-player games such as Simon-Says, Bingo, Connect Four and Instrument App with **JavaScript** and **Node.js** which over 300 children played live at the main festival.
- Redeveloped website (18,000+ yearly visits) with **HTML/CSS, JavaScript, Bootstrap** and **jQuery**.
- Reduced FMP to 0.8s and input latency to 20ms by using **deffered JS** and **render-optimization**.

Freelance
Dec. 2017 - Sep. 2018
- **Brechin and Beyond:** Redesigned website with responsiveness and created newsletter sign-up using **MongoDB, Node.js** and **Mail Chimp,** succesfully subscribing 300+ community members.
- **Cedar Heights Dental:** Designed website ads, posters and provided digital-marketing advice.
- **The Blockchain Society:** Designed official logo and established brand colors/styles.

💡 PROJECTS

Smart Turtle • Secure Home Delivery Solution
Present
- Created web app using **React**, **Node.js** and **MongoDB**, allowing users to register serial numbers and codes that can open outdoor storage-box meant to safekeep delivered parcels or gifts.
- Developing **Swift** iOS app with **Google ML Kit** that lets users scan or enter codes that verify with **MongoDB** database to open storage-box lock during delivery.
- Engineering storage-box concept with **Arduino** and **Bluetooth LE Modules**.

Fashionably • StarterHacks iOS App (Winner)
Jan. 2019
- Developed **Swift** iOS app that uses deep-learning, allowing users to take pictures of their closet and recieve outfit suggestions depending on the weather, past habits and style choices.
- Programmed and trained clothing-recognition CNN using **Keras** and **Tensorflow** in **Python**, fine tuning hyperparameters to reach an 89% accurate image-recognition model.

Echo • Hand Gesture Laptop
Nov. 2018
- Designed **Arduino** kit for laptops that allow users to control common macOS software, play/rewind/pause videos, organize local files, browse the web and more through hand gestures.
- Configured ultra-sonic sensors to **Arduino** and used **C** to register and map pulse data to 26 unique 3-D hand gestures, error handling unrecognized or oddly paced gestures.
- Implemented **Python** script with **PyAutoGUI** to perform 115 corresponding functions.

Zenith • PyGame Video Templates
Aug. 2017
- Programmed customizable, easy-to-use **PyGame** templates, which helped 180+ high-school CS students create animated PyGame videos and learn basic **Python** programming.
- Developed example final-product, a 3-minute short-film about a rocket ship's space expedition.

🎓 EDUCATION

University of Waterloo • B. SE. Software Engineering
Sep. 2018 - Present
- Colonel Hugh Heasley Engineering Scholarship ($10,000)

🔥 INTERESTS

Graphic Design, UI/UX Design, Computer-Vision, Filmography, Literature, Soccer Fanatic