Jesse Brizzi

Resume

CONTACT

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Residency	U.S Citizen

FELLOWSHIPS

National Science Foundation GRFP Fellow

Stony Brook University Turner Fellow

LANGUAGE — SKILL

LANGUAGE	SKILL
Scala	●●●●●
Python	●●●●●
C++	●●●●○
Matlab	●●●●○
Java	●●●○○
HTML/CSS/JS	●●●○○
C#	●○○○○

PLATFORMS/LIBRARIES/API's

- Amazon Web Services
- MXNet (Deep Learning)
- Caffé (Deep Learning)
- ScyPy/Scikit (Data Science)
- Pandas/Numpy (Data Science)
- Linux (System Management)
- Git/Github (Version Control)
- OpenCV (Computer Vision)
- Keras (Deep Learning)
- Tensorflow (Deep Learning)
- Docker (System Managment)
- Spark (Data Science)

Updated July 2018

INDUSTRY EXPERIENCE

Curalate — New York, New York

Software Engineer/Research Engineer — June 2016—Current

- Scala development for social media SaaS platform. Full AWS/Asgard/Jenkins stack. Finatra/Finagle/Scalatra microservice structure. MySQL (RDS)/DynamoDB/Redis/Redshift/S3 datastores. AngularJS/Less frontend.
- Designed, built, owned high performance, computer vision deep learning web services and API's that served north of ten million requests per day using Caffe/MXNet/OpenCV.
- Executed exploratory research and testing into the state-of-the-art computer vision and machine learning models used in the aforementioned services.
- Created and managed datasets of proprietary data for use in training deep learning models for social media SaaS specific tasks.

SMC Software — Oldsmar, Florida

Junior Software Engineer/Intern — May 2012—April 2013

- ASP.NET development for an online reservation System. ASP.NET version 3.0. Company wide computer hardware support and repair.

Raytheon — Tampa, Florida

Industry Co-op/Senior Project — January 2013—May 2013

- Remote Vital Sign Assessment on Mobile Platforms. Developed an Android application that could assess the vital signs of a human through non contact means using the stock sensors on an Android smart phone.

CAE — Tampa, Florida

Industry Co-op/Senior Project — August 2013—May2014

- DoD funded Project under NDA. Main focus in C++ and Network Dev.

EDUCATION

Undergraduate - Bachelors of Science

Name of Institution: University of South Florida   **Honors College**

Major: Computer Science   **Major GPA:** 3.86   **Grad Date:** May 2014

Graduate - Masters

Name of Institution: Stony Brook University

Major: Computer Science   **Major GPA:** 3.96   **Grad Date:** May 2016

Specialty: Computer Vision, Machine Learning, Data Science

PUBLICATIONS

- Automatic expression spotting in videos, M Shreve, **J Brizzi**, S Fefilatyev, T Luguev, D Goldgof, S Sarkar. Image and Vision Computing 32 (8), 476-486
- Optical Flow Based Expression Suppression in Video, **J Brizzi**, D Goldgof, S Sarkar, M Shreve. Pattern Recognition (ICPR), 2014 22nd International Conference on, 1817-1821