AJ Jenkins

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Education

TUFTS UNIVERSITY; MEDFORD, MA – GRADUATED 2014

- Bachelor of Science, double-major: Computer Science, Cognitive & Brain Science
- GPA: 3.82. Graduated *summa cum laude*.

UDACITY AI NANODEGREE – FALL 2017 - SPRING 2018

- Created a deep learning model for classifying dog breeds from photos using a CNN written with Keras.

Professional Experience

SENIOR SOFTWARE ENGINEER (TEAM LEAD), KYRUUS; BOSTON, MA – JAN 2018 - PRESENT

- Lead all scrum meetings for a team of four engineers and work with the product owner to prioritize work and improve visibility, predictability, and velocity. Mentor co-ops, interns, and new hires to ensure they commit code within their first week.
- Standardized practices on testing React and Redux code across the organization, using Karma, Mocha, Chain, and Sinon. Instilled culture of testing front-end code on my team.
- Architected Redux state management in an application for managing data templates for applying changes in bulk to a set of similar doctors at a hospital.
- Created many reusable React components in the Kyruus Component Library along with accompanying interactive Storybooks.

SOFTWARE ENGINEER, KYRUUS; BOSTON, MA – 2014 - 2018

- Rewrote our flagship patient-provider matching website (PMC), from Ruby/Rails to Single-Page Application using Flask and React/Redux. PMC is visited by 400,000+ patients/mo.
- Designed and implemented multitenancy solution for providing white-label, highly customized, customer-specific experiences to nearly 20 customers using a single application stack.
- Automated the instrumentation of all Kyruus applications and APIs (over 50 so far) with New Relic performance monitoring and educated the engineering department on how to find bottlenecks in their applications.

Projects & Publications

VoteUp - web application that enables a group of people make decisions quickly, using a dynamic, real-time voting system.

"Using fNIRS and ECG To Measure Cognitive Workload and Emotion As Passive Input" - Senior Honors Thesis. Awarded Highest Thesis Honors.

"Dynamic difficulty using brain metrics of workload" - Published in CHI 2014. Worked as research assistant on project.

Technical Skills

Languages: Python, Ruby, Javascript. Familiar with: C/C++, Java.

Web frameworks: React/Redux, Flask, Ruby on Rails, Meteor

Machine learning, familiar with: Keras, TensorFlow

Amazon Web Services: EC2, S3, CloudWatch, Route53, CloudFront, Lambda