John Wonjin Choi

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EDUCATION

University of California, Irvine – B.S. Computer Science (Intelligent Systems) Expected Graduation: December 2019
Relevant Coursework: Databases (on-going), Networks, ML/Data Mining, UCI GPA: 3.484
Data Strcts , System Design, Linear Alg., Intro to AI, Algorithms, Technical Writing

SKILLS

Computer Languages	*Proficient*: Python, Scala, Terraform, C++	*Experience in*: C, Assembly, Java
Web	*Proficient*: HTML	*Experience in*: CSS
AWS Technologies	*Proficient*: Elastic Beanstalk, EC2, S3, DynamoDB, API Gateway, CloudWatch, Lambda, Kinesis, Data Pipeline, CloudTrail, IAM	*Experience in*: Route53, SageMaker, SQS, SNS, Rekognition, EMR
Misc. Software	*Proficient*: Windows, MacOS, iOS, Android, Git, Git-Flow, GitHub Issue Tracking, Jenkins	*Experience in*: JMeter

PROFESSIONAL

Kelley Blue Book Software Engineer Part-Time Oct. 2018 – Present

- Positioned in an agile, Cox Automotive team developing API's for Kelley Blue Book, Autotrader, and Dealer.com
- Extensive use of and automation of AWS Infrastructure using Terraform and Jenkins
- Design and implement Big Data real-time data applications in Scala using Kinesis, Kafka, and Spark, closely in relation to Machine Learning using AWS SageMaker

IT Student Technician Apr. 2017 – Dec. 2018

- UC Irvine School of Social Sciences Computing Services department
- Providing technical support for UCI Social Science school faculty, staff, and graduate students
- Imaging computers using GhostCast and resolving any number of technical issues (hardware and software) through the helpdesk

Kelley Blue Book Software Engineer Intern June 2018 – Sep. 2018

- Positioned in an agile, Cox Automotive team developing API's for Kelley Blue Book, Autotrader, and Dealer.com
- Specializing in Scala, Terraform, Python, and AWS to pipeline and deploy products through Jenkins
- Software products generally are in relation to vehicle recommendation engines and shopper profile personalization engines

AppJam+ Program Mentor Sep. 2017 – June 2018

- Under the oversight of Dreams for Schools, mentors educate youth in programs and initiatives that contribute to Science, Technology, Engineering & Math (STEM) fields
- Built through MIT's AppInventor2 and Thunkable mobile app development platforms, both based on Java

PROJECTS

Predictive Model for Healthy Counties in the United States (Python ML/Data Mining Course Project) Mar. 2019

- Built and trained a Random Forest Classifier model on census data from the USDA to predict U.S. counties' healthiness

Emotional Confidence Detector (2018 Cox Automotive Hackathon Python Project) Sep. 2018

- Utilizing AWS Rekognition to analyze test drivers' emotions to aid dealerships in sales negotiations

Giggle Search Engine (Python + JavaScript Information Retrieval Course Project) May 2018

- Implemented a web crawler through the ics.uci.edu domain to create a Python Bottle server search engine

Blackjack Counter (2018 LAHacks Python Project) Mar. 2018

- Live analysis of a Blackjack game using the OpenCV image/video analysis library in Python and PyQt4 GUI

Main Menu (2018 HackUCI Python + React Project) Feb. 2018

- Analysis of Yelp reviews to generate informative restaurant menus using machine learning and Python servers
- Contributed data retrieval from Yelp's API and minimal web scraping through a Python Bottle server

U.S. Stock Market Activity Program (Personal Python Project) Mar. 2017

- Retrieves and sorts U.S. stock market activity in the NYSE, NASDAQ, and AMEX exchanges in CSV format

Champion Mastery Retrieval Program (Personal Python Project) Feb. 2017

- Utilizes Riot Games API to retrieve statistics about a current game in League of Legends

MISC

Hobbies	Driving, Photography, Cinematography, Photo/Film Editing, Computer Construction
Spoken Languages	English, Korean