John Wonjin Choi

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EDUCATION

University of California, Irvine – B.S. Computer Science (Intelligent Systems)   Expected Graduation: December 2019

UCI GPA: 3.510

PROFESSIONAL

Western Digital Software Engineer Intern   June 2019 – Present
- Optimizations to the ActiveScale product to incorporate machine learning into efficiently storing big data personalized to clients
- Focus on building a POC neural network as well as extensive bash scripting to aggregate data from multiple ActiveScale machines for the machine learning model

Kelley Blue Book Software Engineer Part-Time   Oct. 2018 – June 2019
- 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

UC Irvine School of Social Sciences IT Student Technician   Apr. 2017 – Dec. 2018
- 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

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, Jenkins, Git, Git-Flow, GitHub Issue Tracking	*Experience in*: JMeter

PROJECTS

Steve.AI (Python ML Course Project)   May 2019
- Deep Q-learning neural net implementation of a fighting agent within Minecraft via Python's Malmo interface

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

MISC

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