

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
- Focused on building a 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

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

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

PROJECTS

<i>Predictive Model for Healthy Counties in the United States (Python ML/Data Mining Course Project)</i>	Mar. 2019
• Built and trained a Random Forest Classifier model on census data from the USDA to predict U.S. counties' healthiness	
<i>Emotional Confidence Detector (2018 Cox Automotive Hackathon Python Project)</i>	Sep. 2018
• Utilizing AWS Rekognition to analyze test drivers' emotions to aid dealerships in sales negotiations	
<i>Giggle Search Engine (Python + JavaScript Information Retrieval Course Project)</i>	May 2018
• Implemented a web crawler through the ics.uci.edu domain to create a Python Bottle server search engine	
<i>Blackjack Counter (2018 LAHacks Python Project)</i>	Mar. 2018
• Live analysis of a Blackjack game using the OpenCV image/video analysis library in Python and PyQt4 GUI	
<i>Main Menu (2018 HackUCI Python + React Project)</i>	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	
<i>U.S. Stock Market Activity Program (Personal Python Project)</i>	Mar. 2017
• Retrieves and sorts U.S. stock market activity in the NYSE, NASDAQ, and AMEX exchanges in CSV format	
<i>Champion Mastery Retrieval Program (Personal Python Project)</i>	Feb. 2017
• Utilizes Riot Games API to retrieve statistics about a current game in League of Legends	

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MISC

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