

Junyoung Choi (Daniel)

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WORK EXPERIENCE

Fasoo [2016 Summer, 2021 Feb - Present]

Associate Research Engineer (FED Client Team)

- Was Responsible for developing and maintaining Windows modules and libraries related to the time management and shell implementation for the Company's main product, FED.

University of Virginia

Teacher Assistant (CS1112, ECE2330, CS3330)

- Worked as a teacher assistant with high understanding of varying topics: sequential network design, and hardware implementation of the memory system and virtual memory.

Amazon [2018, 2019 Summer]

Summer Intern (AWS EMR Team)

- Automated the workflow of dealing with Trouble Ticket by developing an expandable automated pipeline that would trigger for new trouble tickets.

Summer Intern (AWS EMR Team)

- Reduced the time required for a policy scan task from several days to few minutes by developing an automated IAM Policy Scan tool integrating AWS services such as Amazon Athena and S3 into a Ruby on Rails website.

PROJECTS & ACCOMPLISHMENTS

Paintings and Language

- Explored different models of image-text pair generation based on wikiart and MET datasets using neural network models such as GAN or LSTM.

System for Context-Relevant Term Search

- Researched and Built a system for context-relevant term search for a project in the Information Retrieval Course implementing the Jelinek-Mercer smoothed Language Model with the Lucene Library.

Mobile Development

- Built android apps using flutter that helps manage gym workout sessions and monthly financial spendings

KSEA Central Virginia YG Chapter

- President of the YG Chapter of KSEA in UVA.

ACM at UVA

- School representative in the regional round for ICPC 2016

EDUCATION

University of Virginia

Masters in Computer Science

Cumulative GPA: 3.823

B.A. in Computer Science

Cumulative GPA: 3.774

Major GPA: 4.0

RELEVANT COURSEWORK

Vision and Language

Design and Analysis of Algorithms

Computer Architecture and Design

Data Mining

Deep Learning for Visual Recognition

Machine Learning

Advanced Embedded Systems

Software Security

Software Engineering for Robotics

Computer Graphics

Computer Vision

Mobile Application Development

Computer Game Design

Defense Against the Dark Arts

Information Retrieval

Computer Networks

PL for Web Applications

Algorithms

SKILLSETS

Programming

Java

Dart

- Flutter

AWS

- S3, IAM, Athena

Python

- NumPy, Pytorch

- ROS

C++, C#

- Win32 API

- Unity

Ruby onRails

Spoken Languages

Korean

English