

DANIEL CHOI

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EDUCATION

University of Virginia

School of Engineering and Applied Science
Masters in Computer Science
Cumulative GPA: 3.823

College of Arts and Science
B.A. in Computer Science 2019
Cumulative GPA: 3.774
Major GPA: 4.0

RELEVANT COURSWORK

Vision and Language
Computer Vision
Deep Learning for Visual Recognition
Design and Analysis of Algorithms
Computer Architecture and Design
Data Mining
Machine Learning
Advanced Embedded Systems
Software Security
Software Engineering for Robotics
Computer Graphics
Mobile Application Development
Computer Game Design
Defense Against the Dark Arts
Information Retrieval
Computer Networks
PL for Web Applications
Algorithms
Theory of Computation
Digital Logic Design
Program and Data Representation

SKILLS

Programming

Java	Flutter/Dart
AWS	HTML/CSS
- S3, IAM, Athena	Javascript
Python	LaTeX
- NumPy, Pytorch	Android
- ROS	Ruby on Rails
C++, C#	Angular
- Win32 API	

Spoken Language

Korean
English

PROFESSIONAL EXPERIENCE

Fasoo [Seoul, Korea | Feb 2021 – Present]

Associate Research Engineer (FED Client Team)

Worked as a software engineer developing and maintaining windows libraries for the Fasoo Enterprise DRM Product. Worked with Windows API on tasks such as shell development using both C++ and C#.

University of Virginia [Charlottesville, VA | Aug 2016 – May 2020]

Teacher Assistant (CS1112, ECE2330, CS3330)

Worked as a teacher assistant for Digital Logic Design and Computer Architecture with high understanding of topics: sequential network design, ISA and hardware implementation of the memory system and virtual memory.

Amazon [Seattle, WA | Jun 2019 – Aug 2019]

SDE Summer Internship (AWS Elastic Map Reduce)

Implemented an automated service to replace a manual workflow in dealing with Trouble Tickets, relieving the task of engineers responsible for the tickets.

Amazon [Seattle, WA | May 2018 – Aug 2018]

SDE Summer Internship (AWS Identity and Access Management)

Automated the policy scan process that required up to a week of work by developing an automated IAM Policy Scan tool that implements AWS services such as Amazon Athena and S3 into a Ruby on Rails website.

Fasoo [Seoul, Korea | Jun 2016 – Jul 2016]

Summer Intern (Sparrow Team)

Developed a custom Web Crawler that identifies websites containing vulnerability related source codes, based on candidates provided by the CVE website and categorize the websites by vulnerability type.

PERSONAL PROJECTS

Money Tracker [Summer 2020]

Built an ap on android using the Flutter Framework for managing Money. The app is available in the [app store](#)

Interval Timer [Summer 2020]

Built an app using Electron that can be used as a Podoromo Timer

System for Context-Relevant Term Search [Sep 2017 – Dec 2017]

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.

Wilderness [Sep 2016 – Dec 2016]

Participated in the Development of the game "Wilderness" in the Student Game Development club, developing the script parser for the game.

LEADERSHIP & ACCOMPLISHMENT

KSEA Central Virginia YG Chapter – President

President of the YG Chapter of KSEA in UVA.

ACM at UVA – Member

School representative in the regional round for ACM ICPC 2016

Student Game Developers at UVA – Member