

DANIEL CHOI

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EDUCATION

University of Virginia

College of Arts and Science
B.A. in Computer Science
Cumulative GPA: 3.757
Major GPA: 3.923

Thomas Jefferson HS for Sci and Tech

RELEVANT COURSWORK

Computer Vision
Computer Game Design
Defense Against the Dark Arts
Information Retrieval
Computer Networks
PL for Web Applications
Algorithms
Computer Architecture
Theory of Computation
Digital Logic Design
Program and Data Representation
Software Development Methods
Discrete Mathematics

SKILLS

Programming

Java	HTML
Python	CSS
Numpy	Javascript
Pytorch	Java Servlet
C++	JSP
Ruby on Rails	LaTeX
C	Amazon AWS
x86_64	SQL

Spoken Language

Korean
English

EXPERIENCE & PROJECTS

Amazon SDE Summer Internship (AWS IAM)

[Seattle, WA | May 2018 – August 2018]

Developed an automated IAM Policy Scan tool by implementing AWS services such as Athena and S3 into a Ruby on Rails website. This automated and simplified the policy scan process that previously required several days to a week of work by an engineer.

Teaching Assistant at University of Virginia

[Charlottesville, VA | August 2016 – Current]

Worked as a teacher assistant for the Course CS/ECE2330, Digital Logic Design, an introductory course to topics such as number systems and conversion, Boolean algebra, arithmetic networks and sequential network design.

System for Context-Relevant Term Search

[Charlottesville, VA | September 2017 – December 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 at the Student Game Development Club

[Charlottesville, VA | September 2016 – December 2016]

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

Fasoo Summer Internship

[Seoul, Korea | June 2016 – July 2016]

Participated in the development of a custom Web Crawler to search for websites containing source codes related to Code Vulnerabilities. The crawler would take input of an xml file from the CVE (Common Vulnerabilities and Exposures) website, as the database, and categorize the websites by vulnerability type.

ACTIVITIES

KSEA Central Virginia YG Chapter – President

Organized and Lead community events such as networking events and social gatherings in the YG Chapter of Korean-American Scientist and Engineers Association in University of Virginia.

ACM at UVA – Member

Participated as a school representative in the regional round for ACM international Collegiate Programming Contest 2016

Student Game Developers at UVA – Member