Hyun Suk (Max) Ryoo

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🖳 www.hyunsuk-ryoo.com/onepage

Education https://www.hyunsuk-ryoo.com/education

Expected May 2020

University of Virginia, Charlottesville, Virginia, B.A. Computer Science & B.A. Statistics (Biostatistics).

Relevant Courses (CS): Database Systems (CS 4750), Algorithms (CS 4102), Computer Architecture (CS 3330), Program and Data Representations (CS 2150), Software Development Methods (CS 2110), Discrete Mathematics (CS 2102), Introduction to Programming (CS 1113), Intro to Data Science with Python (STAT 1559)

Relevant Courses (STAT): Introduction to Regression Analysis (STAT 3220), Elementary Linear Algebra (MATH 3351), Introduction to Probability (MATH 3100), From Data to Knowledge (STAT 3080), Introduction to Statistical Analysis (STAT 2120), Intro to Data Science with Python (STAT 1559)

Technical skills

Languages Python, Node Js, Express Js, Java, C++, SQL, PHP, Git, LaTeX, Mathematica

Databases Mongo DB, MySQL, Sqlite3

OS Unix/Linux, Windows

IDE Eclipse, Atom, Vi, Emacs, PyCharm, Visual Studio Code, Sublime, Proficiency in all Microsoft Office Suite, Anaconda

Working Experience https://www.hyunsuk-ryoo.com/experience

June–August 2018

Database Developer Intern , Manassas, Virginia.

at S.W.I.F.T, (Society for the Worldwide Interbank Financial Telecommunication)

Project: Developed a REST API for filtering and updating Security Violation logs. The project included making an interface with html/css front end with a Node js, Express js, Mongo db backend along with a Python and sqlite3 processor.

Business Value added: The API filters out Security Violations from k thousand line files to 100 lines. Made a database to contain all updates and reports of security violations so that no data is lost. Original time of completion (x hours or days) is now minutes

Sept 2014–Dec 2017

Research Assistant, University of Virginia, Department of Neuroscience.

Experience in: 1) Creating Plasmid DNA, 2) DNA extraction techniques, 3) PCR and Gel electrophoresis, 4) Mouse surgery

Description: https://www.hyunsuk-ryoo.com/shinlab

Personal Projects https://www.hyunsuk-ryoo.com/project

June–Aug 2018

Web-developer, University of Southern California, Saban Research Institute of Children's Hospital L.A..

Temporary Link: http://178.128.178.177:3000/

Technologies Used: Node Js, Sqlite3, HTML/CSS

Description: Developed a web-service for the consultation service at University of California Biostatistics Core

June–Aug 2018

Web-developer, University of Virginia, KSEA Central Virginia Chapter.

Link: http://www.uva-ksea.org

Technologies Used: Node Js, Sqlite3, HTML/CSS

Description: Developed a web-service for KSEA at UVa, Central Virginia Chapter

July 2018

Intern, S.W.I.F.T, (Society for the Worldwide Interbank Financial Telecommunication), Company Held Hackathon.

Github Link: https://github.com/hyunsukr/SwiftEats

Technologies Used: Node Js, Sqlite3, HTML/CSS

Description: Web application to order lunch on-line from your personal computer

Volunteer Experience https://www.hyunsuk-ryoo.com/experience

Sept 2013–May 2018

Volunteer, Madison house, Charlottesville, Virginia, Medical Services.

Volunteered in: 1) Providing care for patients at the Emily Couric Clinical Cancer Center, 2) Preparing Surgical Supplies for operations at the University of Virginia Medical Center, 3) Sales Assistant at the Auxiliary Center at University of Virginia Medical Center., 4) Volunteer experience of over **1,200 hours**

Extra-Curricular Activities https://www.hyunsuk-ryoo.com/experience

May 2018–Present

Vice-President, Korean-American Scientists and Engineers Association, Club in University of Virginia.

Role: 1) Organize special speakers in the Engineering and Science field, 2) Create networking events for the students and faculty at UVa, 3) Create social events for people to interact and bond with one another, 4) Communicate with other organizations to plan events for the organization., 5) Create tech events for the members to get hands on experience with technologies.

June 2017–May 2018

Outreach chair, Korean Student Association, Club in University of Virginia.

Role: 1) Communicate with other organizations to plan events for the organization 2) Help with creating culture showcases and expo for the greater UVa community. 3) The CIO has a history of over 800 members with new member population of about 100 each year.

Languages

English	*Native Speaker*
Korean	*Native Speaker*
French	*Communicational*