HYUN SUK RYOO

Programmer and Data Scientist

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EDUCATION

B.A. in Computer Science
University of Virginia

📅 Aug 2016 – May 2020

Relevant Courses: Database Systems (CS 4750), Programming Languages for Web Applications (CS 4640), Machine Learning (CS 4501), 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)

B.A. in Statistics (Biostatistics Concentration)
University of Virginia

📅 Sept 2001 – June 2002

Relevant Courses: Data Visualization and Presentation (STAT 4310), Data Analysis with Python (STAT 3250), 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)

EXPERIENCE

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

📅 Aug 2018 – Present   📍 Manassas, Virginia

Database Developer Intern
S.W.I.F.T,

📅 Jun 2018 – Aug 2018   📍 Manassas, Virginia

- 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.

Teaching Assistant CS 4750 (Database Systems)
University of Virginia

📅 Aug 2018 – Present   📍 Computer Science Department

- Course Description: Introduces the fundamental concepts for design and development of database systems. Emphasizes relational data model and conceptual schema design using ER model, practical issues in commercial database systems, database design using functional dependencies, and other data models. Develops a working relational database for a realistic application.

Research Assistant,
University of Virginia

📅 Sept 2014 – December 2014   📍 Department of Neuroscience

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

VOLUNTEER/EXTRA-CURRICULAR EXPERIENCE

Vice-President
Korean-American Scientists and Engineers Association at UVA

📅 May 2018– Present   📍 University of Virginia

Outreach Chair
Korean Student Association at UVA

📅 Jun 2017– May 2018   📍 University of Virginia

Volunteer
Madison House at UVA

📅 Sept 2013– May 2018   📍 University of Virginia

For more information about these experiences please check out http://www.hyunsuk-ryoo.com/experience

TECHNICAL SKILLS

Languages

Python | R | SAS | Node Js | Express Js | Java | C++ | C | SQL | PHP | Git | LATEX | Mathematica | x86

Databases

Mongo DB | MySQL | Sqlite3

OS

Unix/Linux | Windows

IDE

Eclipse | Atom | Vi | Emacs | PyCharm | Visual Studio Code | Sublime | Anaconda | All Microsoft Office Suite

LANGUAGES

English ●●●●●

Korean ●●●●●

PROJECTS

Web-developer
KSEA at University of Virginia

📅 June 2018 – Present
- Link: https://www.uva-ksea.org
- Description: http://www.hyunsuk-ryoo.com/ksea

Web-developer
Saban Research Institute of C.H.L.A

📅 June 2018 – Aug 2018
- Temp Link: http://178.128.178.177:3000/
- Description: http://www.hyunsuk-ryoo.com/uscconsultation

Hackathon
Swift Company Hackathon

📅 June 2018
- Source Code: https://github.com/hyunsukr/SwiftEats
- Description: http://www.hyunsuk-ryoo.com/swifteats