Hyun Suk (Max) Ryoo

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Education

Expected 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, Anaconda
Microsoft — Proficiency in all Microsoft Office Suite

Technical 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

Personal Projects

June–August 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–August 2018 — **Web-developer**, University of Virginia.
KSEA CENTRAL VIRGINIA CHAPTER
Link: `http://www.uvaksea.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).
1ST PLACE IN 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

RESEARCH EXPERIENCE

September 2014– December 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

WORK & VOLUNTEER EXPERIENCE

September 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**

September 2015–June 2017
Waiter, Charlottesville, Virginia.
Sakura Japanese Steak House
Experience in: 1) Host and Waiter at local Japanese restaurant, 2) Trained new waiters and waitresses upon entering, 3) Helped to make business process more efficient by implementing new ways to waiters, 4) Head of wait staff of 13 people

Extra-Curricular Activities

May 2018–Present
Vice-President, Korean Scientist and Engineering Association.
CIO in University of Virginia
Role: 1) Organize special speakers in the Engineering and Science field, 2) Create networking events for the students at UVa and students at UVa, 3) Create social events for people to interact and bond with one another, Communicate with other organizations to plan events for the organization., 4) Create tech events for the members to get hands on experience with technologies.

September 2015–June 2017
Outreach chair, Korean Student Association.
CIO 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*