

Chrissy Jeon

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Education

New York University

September 2016 - May 2021

Bachelor of Arts in Computer Science and Philosophy

- Grace Hopper Celebration of Women in Computing Scholarship

Skills

Programming Languages: Java, Python, Scala, C/C++, JavaScript, HTML/CSS, Bash

Technologies & Frameworks: Node.js, Express, MongoDB, Spark, Hive, Hadoop, Git, Linux, Hashcat

Work Experience

Catalyst Coalition

(Remote) Duluth, Georgia

Software Engineering Intern / JavaScript, Node.js, React, AWS

August 2021 - Present

- Created web components for the eBookBuddy platform using React and Javascript, to easily connect with at-risk students and kids
- Pioneered a frame component that separates participant video feeds from the main screen to allow for free drag without latency, creating a better user experience for navigating through a live video call
- Drove end-to-end implementation by deploying a Jitsi Meet (video conferencing software) installation on an AWS EC2 instance to act as the corresponding backend service

Bain & Company Inc.

Seoul, South Korea

Technology Research Intern / Java, Hadoop, Linux, Git

June 2019 - July 2019

- Drove implementation of a Hadoop processing pipeline that processed client data sources via MapReduce into a MongoDB database for archival, retrieval, and further internal data usage
- Improved an internal Search Tool to show results from large-scale data analyses on historical client data processed via the Hadoop pipeline, resulting in a more efficient workflow for consultants and analysts
- Increased client market share to 23% by providing insights into user-base expansion opportunities

UBS Hana Asset Management Co. Ltd.

Seoul, South Korea

Financial Analyst Intern - Documentation & Retail Sales Team

November 2017 - January 2018

- Drafted investment letters of intent and information memorandum documents for institutional investors
- Filed REITs, equities, bonds, and investment reports to the Financial Supervisory Service as per regulation requirements
- Attracted 8% of client investments by conducting comparable analyses on different market via Bloomberg Terminal data

Software Projects

Smart Stream: Which Service Should I choose? / Java (MapReduce), Spark, Hive

- Provided insights into user subscriptions on Netflix, Amazon Prime Video and Disney+ movies by analyzing age, genre, and genome tags via MapReduce, Hive, and Spark on NYU's "Peel" High Performance Computing Cluster
- Discovered Netflix and Amazon Prime Videos share similar genre and genome-tags but had different target age groups
- Featured in [Towards Data Sciences](#) on [Medium](#)

How To Make A Day! / Node.js, Express, MongoDB

- Web app that allows users to share their day-out plans with images and descriptions and leave ratings for other users to browse
- Developed using Node.js, Express, and MongoDB alongside with Passport.js for user authentication and the Google Maps API for location handling

Demand Paging Simulator / Java

- Created a multi-process simulator in Java that emulates real-time demand paging within an Operating System
- Designed in consideration to various eviction policies including FIFO, Random, and Least Recently Used

Distance Vector Simulator / Python

- Implemented the distance-vector routing algorithm in a Python-based virtual environment to simulate shortest path routing
- Used Split Horizon with Poison Reverse to handle packet link failures and routing loops

Game of Thrones Visualizer / Java

- Command-line application that visualizes a character's battles, hierarchy, house, death rate, and corresponding relationships
- Developed using natively implemented data structures (ArrayList, Priority Queue, LinkedList)