Woo Jung
Curriculum Vitae

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Education

2016–exp 2020 **B.S. Mathematics & B.S. Computer Science**, *University of Puget Sound*, Tacoma, WA, GPA: 3.79.

Relevant courses: Operating Systems, Database Management Systems, Software Engineering, Algorithms, Data Structures, Mathematical Modeling, Mathematical Statistics, Advanced Applied Statistics, Optimization, Probability Theory

Fall 2019 **Artificial Neural Networks and Deep Learning**, *DIS (study abroad)*, Copenhagen, Denmark.

Relevant courses: Artificial Neural Networks an Deep Learning, Artificial Intelligence, Computational Analysis of Big Data

Research Experience

2019 **McCormick Summer Research Scholar**, *University of Puget Sound*, Advisor: Adam A. Smith.

"Generating Artificial Mouse Ultrasonic Vocalizations using Generative Adversarial Networks"

Experience

2018–2019 **Computer Science Assistant**, *University of Puget Sound*.

Assisted professors as a TA, grader, and afternoon tutor for Introduction to Computer Science and Data Structures courses.

2017–2019 **Mathematics Assistant**, *University of Puget Sound*.

Assisted professors as a grader for Introduction to Applied Statistics and Calculus and Analytic Geometry courses and afternoon tutor for Linear Algebra, Multivariate Calculus, and Applied Statistics courses.

Summer 2018 **IT Intern**, *First Choice Bancorp*, Cerritos, CA.

Designed and programmed scripts for Windows AD group policies in assistance to the IT department in merger and acquisition process. Assisted in migrating mail servers and transitioning mobile device management platforms for over 300 users and user groups as part of the merger and acquisition.

Summer 2015 **R&D Intern**, *NOVAtime Technology Inc.*, Diamond Bar, CA.

Developed a web visualization of a time clock for simpler hierarchical overview. Researched and developed Korean language localization for the time clock interface. Presented the projects before the company's Board of Directors and Executives.

Projects

Fall 2018 **Loggregate**, *Scrum master, DBA*,
github.com/wsjung/loggregate.
Led a team of four in developing a study group management platform implemented using the Laravel PHP web framework. Defined a BCNF optimized SQLite database schema and populated it using a Python script which collected course information from the web

Fall 2018 **Quantitative Investment Analysis**, *Data collector, DBA*,
github.com/wsjung/cs240.
Scraped stock and Twitter data from the web using Python's BeautifulSoup package. Designed a script to automatically collect daily stock and Twitter data using cronjobs. Stored collected data in a BCNF optimized MySQL database for ready access.

Extracurricular University Service

2017–2019 **Chair**, *University of Puget Sound ACM Student Chapter.*

2017–2018 **Secretary**, *University of Puget Sound Mathematics Club.*

2016–2017 **Webmaster**, *University of Puget Sound ACM Student Chapter.*

Awards and Honors

2019 McCormick Scholar Award

2019 Dean's List

2018 Dean's List

2017 Dean's List

Skills

Languages and Libraries

Java

Python

C

MATLAB

R

LINGO

JavaScript

Git

PyTorch
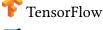
TensorFlow

SQL

PHP

Flask

Laravel

Foreign Language

Korean Native fluency

Affiliations

ACM   Member, Association for Computing Machinery

UPE   Member, Upsilon Pi Epsilon Honor Society

REFERENCES

Available on request