TUCKER R. STEWART

Data Scientist | Software Developer

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EDUCATION

Doctor of Philosophy in Computer Science and Systems - 2020-present
University of Washington Tacoma
Bachelor of Science in Computer Science and Systems with Honors, Mathematics Minor - 2020
University of Washington Tacoma, GPA 3.99 (Summa Cum Laude)

SKILLS

- Programming Languages:
  - Proficient: C, CSS, HTML, Java, Python, SQL
  - Exposed: Bash, C++, JavaScript (React), R
- Technologies:
  - Proficient: Git, Jupyter Notebook, Keras, Maven, Scikit-Learn
  - Exposed: Google Cloud Platform, Microsoft Azure, Spark, TensorFlow
- MOS® Certified in Word, PowerPoint, and Excel 2010®.

WORK EXPERIENCE

University of Washington Tacoma: Grader September 2019 - Present

- Graded quizzes and programming assignments for Computer Operating Systems (TCSS 422)**.**

Washington State Opportunity Scholarship (WSOS): Scholar Lead September 2020 - Present

- Mentor and primary contact for current WSOS Scholars.
- Scheduled and hosted information sessions to foster scholars' success.

ServiceNow: Software Engineering Intern June 2019 - September 2019; June 2020 - September 2020

- Developed new features for the Configuration Management Database's (CMDB) Identification and Reconciliation Engine (IRE) in Java, SQL, and JavaScript React.
- Created an automated and easily maintainable test suite for testing new integrations for the CMDB's 'Extract, Transform, and Load' (ETL) system.
- Cooperated with a team in a corporate environment, used Git for version control of the code base that is being developed by a variety of different teams, and contributed to design discussions.

PROJECTS

Research in Time-Series Forecasting/Data Science (Python)

- Conducted undergraduate research in collaboration with Infoblox, developing new methodologies for forecasting peak values in time-series under the guidance of Professor Juhua Hu.
- Wrote and defended a thesis for the University of Washington, earning Honors in Computer Science and Systems in June 2020.
- An invaluable experience in how to research new knowledge independently, work through the data science life cycle, and to present my work concisely and effectively.

Bot for Discord (Java)

- Created a (Chat) Bot for the communication application Discord. The bot detects when a user starts livestreaming using Twitch and/or Youtube then sends a notification to all users on the same server with the URL to the user's livestreaming service.
- This was created as a Maven project using DV8FromTheWorld's JDA as a dependency and was deployed using Heroku to connect the bot to Discord.

Personal Website (HTML and CSS)

- Self-taught HTML and CSS to create a personal website for sharing my resume and projects located at https://students.washington.edu/trstew.

ACHIEVEMENTS

- School of Engineering and Technology: Academic Excellence in Computer Science Award (2020)
- School of Engineering and Technology: Outstanding Research Award (2020)
- Mary Gates Research Scholar (2019-2020)
- Washington State Opportunity Scholar (2016-2020)