

# TUCKER R. STEWART

## Data Scientist | Software Developer

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### EDUCATION

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**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

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- 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

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**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 and third-party discovery services.
- 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

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**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

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- 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)