

# Stella Li

📍 Seattle, WA    ✉ stelli@cs.washington.edu    🌐 stellalisy.com    🐙 stellalisy

## Research Interests

---

Natural Language Processing, Social Reasoning, Clinical Reasoning, Multilingual NLP, Human-Centered NLP

## Education

---

### University of Washington

Sep. 2023 – Current

*Ph.D. in Computer Science and Engineering*

- Advisor: Yulia Tsvetkov

### Johns Hopkins University

Sep. 2022 – May 2023

*M.S. in Computer Science and Engineering*

- Advisors: Philipp Koehn & Kenton Murray
- Thesis: Learning from Gibberish: Code-Mixing Data Augmentation for Sentiment Analysis
- Cumulative GPA: 4.0/4.0

### Johns Hopkins University

Sep. 2018 – Dec 2022

*B.S. in Applied Mathematics and Statistics*

- Additional Majors: Computer Science, Cognitive Science (linguistics focus); Minor: Mathematics
- Cumulative GPA: 3.99/4.0, Major GPA: 4.0/4.0

## Select Publications

---

### Conformal Reasoning: Uncertainty Estimation in Interactive Environments.

Eric Frankel\*, Shuyue Stella Li\*, Lillian J. Ratliff, Yulia Tsvetkov, Sewoong Oh, Pang Wei Koh. *In Submission.*

### MediQ: Question-Asking LLMs and a Benchmark for Reliable Interactive Clinical Reasoning.

Shuyue Stella Li, Vidhisha Balachandran, Shangbin Feng, Emma Pierson, Pang Wei Koh, Yulia Tsvetkov. *In Proceedings of Neurips 2024.*

### Valuescope: Unveiling implicit norms and values via return potential model of social interactions.

Chan Young Park\*, Shuyue Stella Li\*, Hayoung Jung\*, Svitlana Volkova, Tanushree Mitra, David Jurgens, Yulia Tsvetkov. *In Proceedings of EMNLP 2024.*

### Learning from Mistakes: Towards Robust Neural Machine Translation for Disfluent L2 Sentences.

Shuyue Stella Li, Philipp Koehn. *In Proceedings of MT Summit 2023.*

### PQLM: Multilingual Decentralized Portable Quantum Language Model.

Shuyue Stella Li, Xiangyu Zhang, Shu Zhou, Hongchao Shu, Ruixing Liang, Hexin Liu, Leibny Paola Garcia. *In Proceedings of ICASSP 2023.*

### Condensing Multilingual Knowledge with Lightweight Language-Specific Modules.

Haoran Xu, Weiting Tan, Shuyue Stella Li, Yunmo Chen, Benjamin Van Durme, Philipp Koehn, Kenton Murray. *In Proceedings of EMNLP 2023.*

### Genetic Improvement in the Shackleton Framework for Optimizing LLVM Pass Sequences.

Shuyue Stella Li, Hannah Peeler, Andrew N Sloss, Kenneth N Reid, Wolfgang Banzhaf. *In Proceedings of GECCO 2022.*

### Optimizing LLVM Pass Sequences with Shackleton: A Linear Genetic Programming Framework.

Hannah Peeler, Shuyue Stella Li, Andrew N Sloss, Kenneth N Reid, Yuan Yuan, Wolfgang Banzhaf. *In Proceedings of GECCO 2022.*


## Teaching Experience

---

<b>Ethics in AI (CSE 582)</b> <i>Teaching Assistant</i>	<i>University of Washington</i> <i>Jan. 2025 – March 2025</i>
<b>Introduction to Statistics (EN.553.430)</b> <i>Teaching Assistant</i>	<i>Johns Hopkins University</i> <i>Sep. 2021 – May 2023</i>
<b>Human-Computer Interaction (EN.601.490)</b> <i>Course Assistant</i>	<i>Johns Hopkins University</i> <i>Sep. 2022 – Dec. 2022</i>
<b>Computer Ethics (EN.601.104)</b> <i>Head Course Assistant</i>	<i>Johns Hopkins University</i> <i>May 2022 – Aug. 2022</i>
<b>Intermediate Programming (EN.601.220)</b> <i>Course Assistant</i>	<i>Johns Hopkins University</i> <i>Sep. 2021 – May 2022</i>

## Work Experience

---

<b>Visiting Researcher</b> <i>Meta FAIR</i>	<i>Seattle, WA</i> <i>Sep. 2024 – Current</i>
◦ Visiting researcher at FAIR as part of the AIM Program working on social reasoning & alignment projects.	
<b>Software Engineer Intern</b> <i>Yext</i>	<i>Arlington, VA</i> <i>May 2022 – Aug 2022</i>
◦ Integrated client data to the Yext platform for real-time updates on 3000 client entities using Go.	
◦ Created a Figma Site Style Picker to improve developer workflow and scalability using ReactJS.	
<b>Research Intern</b> <i>MSU Genetic Programming Lab</i>	<i>East Lansing, MI</i> <i>May 2021 – Aug 2021</i>
◦ Advised by Dr. Wolfgang Banzhaf; outcome: 2 research publications, 1 <a href="#">open-source software</a>  .	
◦ Designed and implemented novel GP algorithm for LLVM compiler flag optimization (20%).	

## Honors & Awards

---

<b>JHU Responsible AI for Health Student Travel Grant</b>	<i>2024</i>
<b>Weil Family Endowed Fellowship in Computer Science &amp; Engineering</b>	<i>2023-24</i>
<b>Johns Hopkins Dean's List</b>	<i>2019-23</i>
<b>Upsilon Pi Epsilon Computer Science Honor Society</b>	<i>2022</i>
<b>GECCO-GI Best Presentation Award</b>	<i>2022</i>
<b>ACM Student Travel Grant</b>	<i>2022</i>
<b>PAJH Greek Scholars Award</b>	<i>2022</i>
<b>Grace Hopper Scholarship Award</b>	<i>2022</i>
<b>Omicron Delta Kappa National Leadership Honors Society</b>	<i>2022</i>
<b>Omega Psi National Cognitive Science Honors Society</b>	<i>2022</i>
<b>Cum Laude Society</b>	<i>2022</i>

## Skills

---

**Languages:** Python, C++, C, Java, R, MATLAB, HTML/CSS, JavaScript, ReactJS, Go