

## PHD STUDENT · COMPUTER SCIENCE

Education Virginia Tech Blacksburg, VA PHD COMPUTER SCIENCE AND APPLICATIONS August 2022 - present • Advisor: Dr. Chris Brown **George Mason University** Fairfax, VA **BS COMPUTER SCIENCE** August 2019 - June 2022 • Honors College Undergrad research advisor: Dr. Thomas LaToza Professional Experience \_\_\_\_\_ 2023 Graduate Peer Mentor Lead, APIDA+ Center and the Indigenous Community Center, Virginia Tech 2022 Undergraduate Research Assistant, School of Business, George Mason University 2021-2022 Web Developer and PR Assistant, Student Centers, George Mason University 2021-2022 Undergraduate Research Assistant, Department of Computer Science, George Mason University 2020-2021 STEP Mentor, Center for Culture, Equity, and Empowerment, George Mason University Publications \_\_\_\_\_ **PUBLISHED** Minhyuk Ko, Dibyendu Brinto Bose, Hemayet Ahmed Chowdhury, Mohammed Seyam, Chris Brown. Exploring the Barriers and Factors that Influence Debugger Usage for Students. Symposium on Visual Languages and Human-Centric Computing. (Acceptance rate: 29%) Best Short Paper Honorable Mention Jenny T. Liang, Maryam Arab, Minhyuk Ko, Amy Ko, Thomas LaToza. A Qualitative Study on the Implementation Design Decisions of Developers. In Proceedings of the 45th International Conference on Software Engineering, 2023. (Acceptance rate: 26% (209/796)) Distinguished Paper Award **POSTERS** Minhyuk Ko, Dibyendu Brinto Bose, Weilu Wang, Mohammed Seyam, Chris Brown. Understanding the Performance of Large Language Model to Generate SQL Queries. Symposium on Visual Languages and Human-Centric Computing. (Acceptance rate: 33% (21/63)) Awards, Fellowships, & Grants \_\_\_\_\_\_ **AWARDS** Distinguished Academic Achievement Award, Department of Computer Science, George **Mason University** 2019 - 2022 Dean's List, College of Engineering and Computing, George Mason University 2019 AP Scholar with Distinction, College Board GRANTS

2023 User Study Funding Program, Virginia Tech Center for Human-Computer Interaction (CHCI)

2023 Travel Fund Program, Graduate and Professional Student Sentate of Virginia Tech (GPSS)

2023 - 2024 Travel Funding, Computer Science Graduate Council at Virginia Tech

2023 - 2024 CHCI Travel Fund, Virginia Tech Center for Human-Computer Interaction (CHCI)

\$ 400

\$ 500

\$300

\$ 400

Presentations		
Invited Talks		
<b>AutoPrint: An Automatic Print Statement Insertion Tool</b> . CMD-IT/ACM Richard Tapia Celebration of Diversity in Computing Conference: Doctoral Consortium, San Diego, CA. September 18, 2024.		
<b>AutoPrint: An Automatic Print Statement Insertion Tool</b> . Eastern Atlantic Students in Software Engineering Colloquium (ESSEC 2024), William and Mary, Williamsburg, VA. January 20th, 2024.		
<b>Exploring the Barriers and Factors that Influence Debugger Usage for Students</b> . Society of Hispanic Professional Engineers (SHPE) 2023 National Convention: STEM Research Competition, Salt Lake City, UT. November 2nd, 2023.		
<b>Life as a Computer Science PhD Student</b> . InspirASIAN Series: Graduate Student Experiences and Perspectives, Virginia Tech, Blacksburg, VA. March 28th, 2023.		
<b>AutoPrint: An Automatic Print Statement Insertion Tool</b> . Center for Human-Computer Interaction (CHCI) Big Idea Workshop, Virginia Tech, Blacksburg, VA. March 17th, 2023.		
<b>Improving the Debugger Usability</b> . Computer Science Grad Council Lightning Talks, Virginia Tech, Blacksburg, VA. October 13th, 2022.		
Teaching Experience		
Summer 2024 CS 3304: Comparative Languages, Teaching Assistant		
Spring 2024 CS 3304: Comparative Languages, Teaching Assistant		
Summer 2023 CS 3304: Comparative Languages, Teaching Assistant		
Summer 2023 CS 3704: Software Engineering, Teaching Assistant		
Spring 2023 CS 3304: Comparative Languages, Teaching Assistant		
Fall 2022 CS 3304: Comparative Languages, Teaching Assistant		
Spring 2022 CS 310: Data Structures, Teaching Assistant		
Fall 2021 CS 367: Computer Systems and Programming, Teaching Assistant		
Spring 2021 CS 330: Formal Methods and Models, Teaching Assistant		
Spring 2021 CS 262: Introduction to Low-Level Programming, Teaching Assistant		
Fall 2020 CS 262: Introduction to Low-Level Programming, Teaching Assistant		
Spring 2020 CS 110: Essentials of Computer Science, Teaching Assistant		
Mentoring		
2023 Omer Ahmed, Undergraduate Student, Virginia Tech		
2023 <b>Colin Roberts</b> , Undergraduate Student, Virginia Tech		
Outreach & Professional Development		

## PROGRAM COMMITTEE

- 2025 **Software Analysis, Evolution and Reengineering (SANER)**, Tool Demo Track
- 2025 Mining Software Repositories (MSR), Technical Papers Junior Program Committee
- 2024 ACM Conference on Human Factors in Computing Systems (CHI), Papers Track

## SERVICE AND OUTREACH

2024-present	Computer Science Graduate Council at Virginia Tech, Treasurer
2023-present	Blacksburg Toastmasters, President (2024-2025), VP of Public Relations (2023-2024)
2023-present	Asian American Student Union, Graduate Student Liaison
2019-present	Society of Hispanic Professional Engineers (SHPE), Member
	<b>F1rst Gen at Mason</b> , Member (2019-2020), Webmaster (2020-2021), President (2021-2022)
2019-2022	<b>Honors College Student Advisory Board</b> , Freshman Representative (2019-2020), Vice Chair (2020-2021), Secretary (2021-2022)
	(2020-2021), Secretary (2021-2022)
2020	Early Identification Program, College Application Coach

## Skills\_\_\_\_\_

Coding Java, C, Python, HTML, CSS, Javascript, PHP, R, Golang, ŁTEX, 80x86 assembly

Tools React, Visual Studio, IntelliJ, Firebase, JUnit, UNIX, Vim, WordPress, Eclipse SWT, Overleaf

Languages Korean (native), English (fluent), Mandarin Chinese (Intermediate)