Jonathan Segal

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Education

Cornell University, Ph.D. Information Science   **Second Year, Intended grad: May 2027**
- Advisor: Angelique Taylor

Iowa State University, B.S. Software Engineering   **May 2022**

Experience

Summer Research Intern - Grid Integration, Systems, and Mobility (GISMo)
Stanford Linear Accelerator Center (SLAC), Palo Alto, CA   **June - Aug, 2022**
- Developed a cognitive model to better understand communication between researchers in the high intensity environment of particle accelerator control rooms.

Summer Analyst - Aladdin Product Group, Scalable Client Services
BlackRock, New York, NY   **June - Aug, 2021**
- Developed new in-house analytics dashboard using Angular and Java Spring Boot to add no-code access to product metrics
- Coordinated with product managers and stakeholders to provide analytics from various Aladdin products with real time updates

Software Engineering Intern - Operational Scalability Team
Dwolla, Des Moines, IA   **May - Aug, 2020**
- Developed enhancements for the in-house C# ASP.NET admin system which improved readability by implementing ADA AA standards and surfacing important hidden information
- Removed users access to out of contract services by adding logic using Scala that checks the type of user contract and sends error codes when there is an unauthorized call to the API

Leadership

Information Science Graduate Student Association, *Treasurer*   **Aug 2022- May 2023**
- Will handle the departmental budget as well as the organization budget for events such as the research retreat, town halls, and department socials.

Iowa State Engineers' Week, *Student Engagement Co-chair*   **Aug 2021- May 2022**
- Helped organize five engagement events over the year as well as Engineering Week which had a combined attendance over 500 students

Iowa State Software Engineering Student Council, *chair member*   **Aug 2021- May 2022**
- Ran town hall events to voice opinions and concerns from students and present the information to professors and leadership in software engineering average student attendance 40

Publications

Jonathan Segal et al.,"SocialCueSwitch: Towards Customizable Accessibility by Representing Social Cues in Multiple Senses" CHI, May. 2024

Jonathan Segal and Yejoon Yoo et al.,"Just Look at Them! Encouraging Teacher Gaze Behavior through Data Visualizations in Virtual Reality" CHI, May. 2024

Rick Francis, **Jonathan Segal**, Yvonne Farah, Joseph Rozell, Michael Dorneich, Stephen Gilbert "MazeWorld: A Game-Based Environment developed to Assess Teaming Behaviors" Human Factors and Ergonomics Society Annual Meeting, Oct. 2022

Tor Finseth, Michael C. Dorneich, Nir Keren, Warren Franke, Stephen Vardeman, **Jonathan Segal**, Andrew Deick, Elizabeth Cavanah, Kelly Thompson "The Effectiveness of Adaptive Training for Stress Inoculation in a Simulated Astronaut Task." Human Factors and Ergonomics Society Annual Meeting, vol. 65, no. 1, Sept. 2021, pp. 1541–1545