

Jonathan Segal

jis62@cornell.edu 319.855.3109

jonathansegal.io linkedin.com/in/jonathannsegal github.com/jonathannsegal

Education

Cornell University, Ph.D. Information Science

First Year, anticipated grad: May 2027

- *Advisors:* Susan R. Fussell, Andrea Stevenson Won

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

- Mentored by Jeffrey Shrager, Frank Ritter, and Wan-Lin Hu
- Observed teams running the LCLS to understand and build a cognitive behavior model
- Generated novel statistics on the efficiency of the current workflow by running simulations given sets of workflow parameters

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

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

Iowa State Photo Club, *President*

Aug 2021- May 2022

- Organized meetings, photo walks, and guest speakers for the club weekly 120 club members, meetings average attendance 30

Hackathon Club, *President / Founder*

Sep 2019- Jan 2020

- Organized teambuilding and transportation to 7 hackathons with an average of 10+ students
- Grew club to 70+ members by recruiting through university events and advertisements

Publications

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