CCI Final Four

Tuesday May 30th – 5:30 – 9:00
Disque Hall, Room 103, Drexel University (http://www.getcampusmaps.com/drexel-university/disque-hall-disque/)

Schedule:

5:30 – 6:30 - A poster presentation and light refreshments
6:30 – 7:00 – Drexel Chatbot
7:00 – 7:30 – High Water
7:30 – 8:00 – ConnectHome
8:00 – 8:30 – Archivist
8:30 – 9:00 – Judges Deliberate and Awards are Announced

Background:

Part of a multi-term capstone experience involving in-depth study and application of computing and informatics. Students work in teams to develop a significant product. Requires use of a development process that includes planning, specification, design, implementation, evaluation, and documentation. This course is writing intensive. Projects are often conceived by external stakeholders who guide the requirements process and ultimately use the resulting application. Groups may be interdisciplinary with students from varied departments within the College of Engineering and the Digital Media Program.

Projects are judged in a multi-level competition on originality, compliance with software engineering principles, completion, and their successful deployment.

All CCI seniors are required to complete a three term software engineering project, in which teams of 4 to 7 students are required to specify, design, implement and test a substantial software project. Projects are often conceived by external stakeholders who guide the requirements process and ultimately use the resulting application. Groups may be interdisciplinary with students from varied departments within the College of Engineering and the Digital Media Program.

Projects are judged in a multi-level competition on originality, compliance with software engineering principles, completion, and their successful deployment.

Each group will have 5 minutes setup time, a 20 minute presentation (including Q&A) and have 5 minutes to tear down their setup.
Project Particulars:

**Project: ChatBot**

Description: A web-based API for a chatbot that is capable of answering natural English questions about Drexel University, using a neural network.

Team Members: Thomas Amon, Aaron Campbell, Daniel Fitzick, Nanxi Zhang, Shishir Kharel, Hoa Vu

Advisor: Filippos Vokolos

External Stakeholder: Marcello Balduccini

**Project: HighWater**

Description: A roguelike survival game set in a sinking city featuring simulated weather, a procedural city, and intuitive crafting.

Team Members: Colan Biemer, Allison Frauenpreis, Gabrielle Getz, Jasmine Marcial, Laura Mo, Shreya Patel

CCI Advisor: Jeff Salvage

External Stakeholder: Frank Lee

**Project: Connectome**

Description: Connectome allows ALS patients to communicate through social media by just using their mind.

Team Members: Nathan Bender, Kevin Garrone, Sheik Hassan, Kennan Meyer, Jon Schuck, Kevin Garrone, Khaled Alhendi, Bairavi Venkatesh

CCI Advisor: Jeff Salvage

External Stakeholder: Sara Feldman PT, DPT, ATP, MDA/ALS Center of Hope, ALS Hope Foundation

Sponsors:

Unisys, Bentley Systems, Cinga, Conde Nast
Project: Archivist

Description: Archivist is an organizational tool that offers an easy way to store, categorize, search, and contextualize any webpage or pdf.

Team Members: Charles Gilliam, Dung Mai, Robert Edwards, Scott Selinger, Tyler Boswell

CCI Advisor: Dr. Rosina Weber

External Stakeholder: Lorraine Richards

Other Honors:

In addition to the final four CCI had these additional outstanding projects that will receive special recognition:

Best Health Care Application (tied)

Project: iPear

Description: iPear is a mobile application that provides emergency dispatchers with more accurate location data for mobile 9-1-1 calls and information relevant in emergency situations.

Team Members: Alex Yang, Austin Schaeffer, Chris Ozgar, Daniel Lopez, Nathan Andrews, Nina Huenke

Advisor: Dr. Chris Yang

External Stakeholder: Alex Zausner - The Children's Hospital of Philadelphia

Best Health Care Application (tied):

Project: DisEasy

Description: DisEasy provides easy-to-use data visualizations to depict their disease likelihood relative to empirical population data using patient laboratory results.

Team Members: Angeline Aguinaldo, Kofi Lewis, Lucy Moss, Joel Parks, Julian Plotnick, Flint Rowell

Advisor: Dr. Rosina Weber

External Stakeholder: Dr. Anita Gupta
**Best Virtual Reality Game:**
Project: Shadow Circuit

Description: A fast-paced, room scale virtual reality sports game utilizing whips and gravity wells to redirect the ball.

CCI Team Members: Mike DiLucca, Andrew DiNunzio, Johanna Oberto, John Gall, Sanjay Balaji

Digital Media Team Members: Daniel Ingman, Tyler Schacht, Mike Cancelosi, Cory Zicolella, Ryan Badurina

Advisor: Jeff Salvage

External Stakeholder: Stefan Rank

**Best Project Management:**
Project: Menti

Description: Mentii is a system you teach, naturally reinforcing your own understanding of algebra.

CCI Team Members: Micah Chao, Aaron Segal, Ryan Young, Alex Palmatier, Jonathan McDaniel

Advisor: Dr. Filippos Vokolos

External Stakeholder: Mike Fiocco, Father Judge High School

**Best Community Service:**
Project: LifeKit

Description: The United States is in the midst of an opioid epidemic. Many patients and drug users are dying of overdoses in record numbers. Oftentimes, help is simply not available and/or not on time. LifeKit seeks to be a rapid response system to overdosers -notifying emergency responders to quickly neutralize the effects of the overdose with a drug called Naloxone. With the LifeKit self designed proprietary hardware to measuring body posture and respiratory rate, the app will automatically detect overdoses and alert responders of the overdosers' whereabouts for assistance.

CCI Team Members: Khoi Tran Kathy Lu Jacob Smith Anh Le Jaehoon Kim Justice Ogbonna

Advisor: Dr. Filippos Vokolos

External Stakeholder: Dr. Anita Gupta