Kendra Wannamaker

kendrawannam@gmail.com | 403-860-1104 | github.com/kawannam

EDUCATION

MSC IN COMPUTER SCIENCE | University of Calgary
Expected Aug 2019 • Focus on HCI & Visualization • GPA: 4.0/4.0

BSC IN COMPUTER SCIENCE | University of Calgary
Sept 2017 • Minor in Philosophy • GPA: 3.4/4.0

TECHNICAL OVERVIEW

PROGRAMMING LANGUAGES | Proficient in
Java • Python • C++ • C#

APPLICATIONS | Experienced with
Git • LaTeX • Eclipse • Android Studio • Arduino

EXPERIENCE

ALGORITHM DESIGN - TEACHING ASSISTANT | University of Calgary   Jan 2018 – May 2018 & Jan 2019 – Current
- Created and presented materials on designing and analyzing graph, greedy, recursive, and dynamic programming algorithms
- Mentored 50 students in 2 weekly sessions, providing additional one-on-one support, achieving a 90% approval rating

SOFTWARE ENGINEERING INTERN | Garmin International   May 2016 – Sept 2017
- Tackled a range of projects such as a tool to test signal strength (Monkey C), optimized the public SDK release system (Java), implemented ANT on the Forerunner 645 (C/C++), and released several example bike light applications (Monkey C)
- Took the lead on gathering requirements, presenting solution designs, and iteratively developing a demo application that received praise from top level executives for being a compelling and exciting way to showcase the new product

SUPPORT SUMMER STUDENT | Hitachi ID Systems   May 2015 – Sept 2015
- Collaborated on a project that dynamically generates PDFs to communicate with clients on their software usage
- Resolved client questions and issues with Hitachi ID Password Manager remotely

RESEARCH PROJECTS

I/O BITS: SITUATED TOOLS FOR LIGHT-WEIGHT SELF-TRACKING | Primary Research Focus   In progress
- Designed and constructed prototypes to explore different techniques for personal data collection and reflection

SKETCHING AND IDEATION ACTIVITIES FOR SITUATED VISUALIZATION | Full Paper   DIS 2019
- Crafted several workshops to explore the design space of embedded visualization and examine workshop techniques

DATA EMBROIDERY: ALTERNATIVE MEDIUMS FOR PHYSICALIZATION | Poster (Honorable Mention)   VIS 2018
- Developed a library that generates data driven embroidery designs - Embroidered a large personal visualization

COMMUNITY ENGAGEMENT

ANDROID WORKSHOP INSTRUCTOR | Technovations   Jan 2019 – Present
- Created and presented weekly lectures to young women on everything from code basics to app deployment
- Assisted in redesigning the U of C's program to be fiscally sustainable and to focus on inspiring women to peruse STEM

MEMBER & VP STUDENT ENGAGEMENT | Competitive Programming Club   Jan 2015 – Present
- Taught, learned, and practiced advanced programming techniques on a weekly basis
- Organized and presented workshops on essential skills such as programming basics, source control, and résumés
- Competed and placed in several competitive programming contests, best performances:
  - Calgary Collegiate Programming Contest: **2nd 2017, 5th 2018, 2nd 2019**
  - Rocky Mountain Regionals ACM-ICPC: **6th 2016**

PERSONAL OVERVIEW

INTERESTS | Board games • Recreational sports • Learning German • Embroidery

AWARDS | 1st, YOU Innovate Canada tournament • 2nd, Skills Canada Cardboard Boat Race • Community Volunteer Award