

# Kendra Wannamaker

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

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## 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

## 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, winning a **Teaching Award**

**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 pursue 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