

Kellie Dinh

Software Engineer, hackNY Fellow '18

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Education

B.A. Computer Science @ Bryn Mawr College

Aug 2015 – May 2019

- **GPA 3.5**, minor in Growth and Structure of Cities
- **Leadership:** Filmmakers Association (Co-President), SisterHacks (Co-Founder) – see below
- **Coursework:** Data Structures & Algorithms, Discrete Mathematics, Systems Programming, Architectural and Urban Design, Artificial Intelligence, Software Engineering (Swarthmore)
Current: Operating Systems, Algorithms: Design and Practice, Linear Algebra, Ethics

Experience

Product Design Intern @ Bentley Systems

May 2017 – Aug 2017

Advancing infrastructure through modern and robust software solutions

- Researched and tested user workflows for 3-D printing a model in Microstation
- Designed and wrote core geometry libraries for multiple Bentley programs in C++, Typescript
- Implemented union-find algorithm to efficiently traverse vertices in a quad mesh to guarantee watertightness necessary for 3-D printing

Intro CS Teaching Assistant @ Bryn Mawr Computer Science

Aug 2017 – Present

- Tutor and mentor students in the introductory CS courses and Data Structures and Algorithms
- Hold weekly office hours and grade assignments for ~50 students

Help Desk Technical Lead @ Bryn Mawr College LITS

Aug 2016 – Present

Performing technical troubleshooting for the Bryn Mawr community

- Promoted to student manager role after one year as a student technician
- Responsible for training new workers and facilitating meetings between staff and students

Co-Founder and Design Lead @ SisterHacks Hackathon

May 2017 – Present

The first hackathon for the Seven Sisters Schools

- Handling social media, branding, and online presence: sisterhacks.co and @sisterhacks
- Executing large-scale hackathon for 50+ participants with workshops, mentors, volunteers

User Experience Intern @ EvoX Labs

Jan 2017 – May 2017

Bridging the gap between people with disabilities and technology

- Researched and developed in-house tools for testing website accessibility
- Created UI mockups and design layouts for Aditum, an API through OpenDataPhilly
- Organized outreach and marketing for evoHaX, Philly's first accessibility-focused hackathon

Workflow

Languages

Proficient: Java, C, C++,
HTML, CSS, Typescript
Intermediate: Python,
JavaScript, Processing

Tools

Bootstrap, jQuery (learning)
Wordpress, Adobe PremierePro, Final Cut
Pro, Solidworks, Microstation, Simplify3D,
Visual Studio, IntelliJ, Eclipse, Emacs

Passions

Social Justice, Diversity,
Media, Internet
Culture, Urban Design,
City Planning

Projects

Shelved – September – December 2017, github.com/dinhkellie/Shelved

An Android app that helps you keep track of your personal library. Scan books you own by their ISBN's or take a photo of your bookshelf and the app will grab the title from the book's spine (using OCR and OpenCV's shape detection). Keep track of books you want by creating lists and connect with users near you to see books available to borrow. Worked on front-end design and library integration

Wiki-to-PPT – February 2018 @ FemmeHacks, wiki-to-ppt.herokuapp.com

A web app that generates a PowerPoint based on the contents of a given Wikipedia article. Worked on back-end using Node.js, Express, PptxGenJS (PowerPoint generation library), WTF-Wikipedia (Wikipedia scraping library)