

FILIP MAZUREK

Aspiring to Find Detail in Design

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EXPERIENCE

Student UX Analyst

Assessment & UX Dept. 📅 September 2017 – ongoing 📍 Duke University

- Worked with the Duke library departments in order to improve user experience of library services and spaces – both virtual and physical.
- Completed the full process of UX analysis – identifying problems, creating user stories, creating mockups, conducting user testing, and planning solutions.
- Evaluated and improved the content, design, and organization of the library's online resources.

Software Engineer Intern

Appian 📅 Summer 2017 📍 Reston, VA

- Worked on an agile squad to create a new feature heavily requested by clients for Appian's business process management software which better lays out data from a database in a grid view.
- Mastered and used SAIL, Appian's proprietary programming language, along with Java, to create all sub-features.
- Presented the new grid feature to the founders of Appian, senior engineers, and clients during Appian's quarterly release demo day.
- Joined the UX Design team after the conclusion of the original internship to discuss design decisions in meetings with the heads of Appian's UX team, as well as created design components in UX Pin.

Student Engineering Technician

CDC / NIOSH 📅 Summer 2015 📍 Morgantown, WV

- Analyzed and identified differences in plethysmograph data from rats suffering from silicosis using MATLAB machine learning and graphing.
- Designed a simple graphical user interface in MATLAB to speed up screening of cough data.

LEADERSHIP & INVOLVEMENT

Teaching Assistant: Computer Architecture

Duke University 📅 January 2017 – ongoing

Spent over 10 hours weekly preparing and leading student discussion sections, administering exams, grading work, and leading office hours.

Makers Club Executive

Duke University 📅 September 2016 – May 2017

Held twice-monthly meetings to instruct club members in 3D modeling, 3D printing, Arduino, and Raspberry Pi, as well as how to use each skill.

Teaching Assistant: Introduction To Engineering

Duke University 📅 August 2015 – December 2015

Spent over 10 hours weekly helping students during lab sections and grading student work.

EDUCATION

B.S. Computer Science

Duke University 📅 May 2018

📖 GPA: 3.74 / 4.00

Coursework

Digital Imaging • Design of Algorithms
Operating Systems • Database Systems
Software Design and Implementation
Computer Architecture • Signals & Systems
Medical Software • Delivering Software

PROJECTS

Personal Website 📖 HTML/CSS, UX Pin

A handmade website to prove the UX design process—including low- and high-fidelity mockups using UX Pin and user testing. www.filipmazurek.com

VoogaSalad 📖 Java

A design environment and engine for role-playing games.

MovieSpin 📖 Java Play

A web app to help users discover and store movies – connected to a database.

Heart Monitor 📖 Python

An interface which reads in EKG data and detects when heartbeats occur and displays the heart rate as data are read.

Heap Manager 📖 C

A simulation of managing computer heap memory in the most efficient way possible.

Prisoner 309 📖 Final Cut Pro

A film which explores the most effective lighting techniques and multiple-screen special effects.

INTERESTS

Non-Technical

Hiking Fourteeners • SCUBA Diving •
Kiteboarding at Cape Canaveral
Making Molecular Gastronomy Dishes
Exploring Restaurants

Technical

Reading: *The Design of Everyday Things* and
Don't Make Me Think •
Creating masterpieces using
Illustrator and Photoshop