

KIRSTEN RAUFFER

An american expat with international experience

kirstenrauffer@gmail.com
www.kirstenrauffer.github.io
+45 29 22 91 22

EDUCATION

Rutgers University

State University of New Jersey, New Brunswick
Bachelor's degree, *Computer Science*
Class of 2016

Technical University of Munich

Technische Universität München
Exchange Student, *Computer Science*
Winter 2016

SKILLS

Programming

Java
C, C++
Python
Swift, Objective C
Arduino Programming

Web Development

HTML5/CSS3
JavaScript, TypeScript
PHP, MySQL
jQuery
Angular 2.x
React
AWS

Design Tools

Illustrator
Sketch
InDesign
Photoshop
Lightroom
Maya

Miscellaneous Skills

Unity, Oculus
Laser Cutting
3D Printing
UML Diagramming
Wireframing
Prototyping
Woodworking

EXTRA

Panelist // International Talent Conference 2017
Panelist // Global Talent Conference 2016

SELECT EXPERIENCE

Microsoft, Software Engineer

Aug 2016 - present (1 year, 2 months) | Copenhagen, Denmark

Leading the frontend development for Dynamics 365's new interaction-based web application. Focusing on user-interface realization, accessibility, service integration and cross-browser support. Also contributing to backend development using C#.

Technologies used: TypeScript, HTML5, CSS3/Less/Sass, Angular, C#

Codecademy, Engineering Consultant

Sept 2015 - Dec 2016 (1 year, 4 months) | New York, New York

Taught students web development, ranging from beginners to advanced programmers. Focused on teaching high-level concepts from object-oriented design, to low-level language specifics for languages like Python, JavaScript, Sass, and more.

Technologies used: JavaScript, HTML5/CSS3, Sass, Python, Java, Ruby, Angular.js, jQuery

Roche, Software Engineering Intern (iOS)

Oct 2015 - Apr 2016 (7 months) | Munich, Germany

Developed an iOS app and companion WatchOS app for people with diabetes, using pattern detection and patient medical history to give insights and advice to help patients maintain a healthy life and avoid hypoglycemic events. Implemented in Swift utilizing Apple Health.

Technologies used: Swift, Apple Health API, WatchOS, glucose meter integration

PSEG, Electrical Engineering Intern

May 2013 - October 2014 (1 year, 7 months) | Newark, New Jersey

Designed wiring diagrams and schematics for high-voltage substations and power plants. Coded Excel Macros using Visual Basic to improve the efficiency of internal processes. Additionally contributed to data analysis for the department to improve efficiency.

Technologies used: Visual Basic, macros, CAD

PROJECTS

Aresty Research Center, Research Assistant

Sept 2014 - May 2015 (Academic year) | New Brunswick, NJ

Created the first travel-size polyphonic robotic musical instrument with electromechanical and electromagnetic actuation. Integrated sensors to adjust the tempo of the music played to the user's heart rate, allowing for therapeutic benefits.

Technologies used: 3D printing, laser cutting, Arduino programming, circuit design

KneeHapp, iOS Development

March 2016 | St. Petersburg, Russia

Developed an iPhone and WatchOS app for KneeHapp, an existing iPad application (currently undergoing clinical trials) for patients recovering from ACL injuries. Utilizes motion detection through sensors in a custom knee bandage. Focused on frontend development and porting existing Objective C code to Swift.

Technologies used: Swift, Objective C, sensors

Mentor // DigiGirls, Coding Pirates
Volunteer // Let's Get Ready (SAT Prep)

Speaker // MDCC Brown Bags
Judge // BEST 2017 Competition CPH