

# 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

### Design Tools

Illustrator  
Sketch  
InDesign  
Photoshop  
Lightroom  
Maya

### Miscellaneous Skills

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

## EXTRA

Panelist // International Talent Conference 2017  
Panelist // Global Talent Conference 2016  
Mentor // DigiGirls, Coding Pirates  
Volunteer // Let's Get Ready (SAT Prep)  
Speaker // MDCC Brown Bags  
Judge // BEST 2017 Competition CPH  
MSFT Ambassador // GHC 2017

## EXPERIENCE

### Microsoft, Software Engineer

Aug 2016 - present | 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#.

TypeScript, HTML, Sass, Angular2

### Codecademy, Course Advisor

Sept 2015 - Dec 2016 | 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.

JavaScript, HTML/CSS, Sass, Python, Java

### Roche, Software Engineering Intern

Oct 2015 - Apr 2016 | 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.

Swift, Apple Health API, WatchOS

### UnitedHealth Group, Project Management Intern

May 2015 - Aug 2015 | Basking Ridge, New Jersey

Gathered requirements and developed the frontend and UX +UI for an internal POC web application which served as a search engine for internal projects, portfolios, and colleagues with social capabilities, including allowing users to "follow" projects, portfolios, and people for real time updates.

HTML/CSS, jQuery, Apex, SOQL

### PSEG, Electrical Engineering Intern

May 2013 - October 2014 | 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.

Visual Basic, CAD

## PROJECTS

### Rutgers University Aresty Research Center, Research Assistant

Sept 2014 - May 2015 | New Brunswick, NJ

Created the first travel-size polyphonic musical instrument with electromechanical and electromagnetic actuation. Responsible for laser cutting, 3D printing, and all Arduino programming. Integrated sensors to adjust the tempo of the music played to the user's heart rate, allowing for therapeutic benefits.

Arduino programming

### 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. KneeHapp tracks a user's rehabilitation through motion detection by using sensors in a custom knee bandage. Focused on frontend development and porting existing Objective C code to Swift.

Objective C, Swift, WatchOS