

# Andrew Dempsey

<https://adempsey.github.io/>

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## Skills

*High Level:* Front-end, Web, Deep Learning, Computer Vision, Image Processing, Mobile  
*Technologies:* React, HL7 FHIR, SQL, AWS, Node.JS, Keras, iOS / Cocoa Touch, Git  
*Languages:* Python, JavaScript / TypeScript, Swift, Objective-C

## Experience

HealthHuddle, Inc. — Brooklyn, NY

*Co-founder & CTO*

October 2017 – December 2018

- Developed nursing dashboard web and mobile interfaces in React and Swift / iOS
- Created interactive prototypes in Sketch
- Integrated with Epic EHR system using SMART on FHIR
- Conducted over 150 user interviews with nurses, informaticists, and hospital executives

Freelance — Brooklyn, NY

*Software Engineer*

September 2017 – Present

- React and AWS development for Ooney, a HIPAA-compliant surgery “prehabilitation” webapp
- Front-end web development for Food Period, a subscription food service to help relieve menstrual pain
- Back-end for America’s Got No Talent, an art piece on display at the Whitney Museum of American Art

Box, Inc. — Redwood City, CA

*Senior Software Engineer, iOS*

April 2017 – August 2017

*Software Engineer, iOS*

August 2015 – April 2017

*Software Engineering Intern, iOS*

June 2014 – August 2014

- Designed and implemented a synchronized recent files system for the Box mobile app
- Developed and patented an algorithm for scanning documents using a mobile device camera
- Transitioned monolithic app architecture to modularized system based on open-source Box SDKs

## Education

*Masters of Science - Computer Science (GPA: 3.82)*

Expected May 2019

NYU Tandon School of Engineering — Brooklyn, NY

*Bachelors of Science - Computer Science (Cum Laude, GPA: 3.21)*

May 2015

Tufts University School of Engineering — Medford, MA

## Publications

Johnson, Gregory W et al. (2018) “Explainable Musical Phrase Completion”. *Joint Workshop on Machine Learning for Music, ICML*.

## Patents

Dempsey, Andrew M et al. (2018) “Capture object boundary jitter reduction”. U.S. Patent No. 10115012.

## Conferences

miniHIMSS 18

June 2018

*HealthHuddle: A Digital Tool for the Nursing Handoff*

New York Academy of Medicine Urban Health Informatics Innovation Conference

April 2018

*HealthHuddle: A Digital Tool for the Nursing Handoff*

## Awards

NYU Mobile App Contest

*First Place / 250*

May 2018

Future Labs InnoVention Competition

*Second Place / 15*

May 2018

Merck Grand Business Challenge in Digital Health

*Top Four Finalist / 16*

March 2018