

Andrew Dempsey

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

amd0331@gmail.com

Skills

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

Experience

HealthHuddle, Inc. — Brooklyn, NY
Co-founder & CTO

October 2017 – Present

- 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
Software Engineer, iOS
Software Engineering Intern, iOS

April 2017 – August 2017

August 2015 – April 2017

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: 3.8)
NYU Tandon School of Engineering — Brooklyn, NY

Expected May 2019

Bachelors of Science - Computer Science (Cum Laude, GPA: 3.21)
Tufts University School of Engineering — Medford, MA

May 2015

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
HealthHuddle: A Digital Tool for the Nursing Handoff

June 2018

New York Academy of Medicine Urban Health Informatics Innovation Conference
HealthHuddle: A Digital Tool for the Nursing Handoff

April 2018

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