

Joseph Kaming-Thanassi

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Education

Northeastern University – Khoury College of Computer Sciences

Boston, MA

BACHELOR OF SCIENCE IN COMPUTER SCIENCE – 3.55 GPA

Expected April 2022

- **Related Coursework** – Computer Graphics, Object Oriented Design, Networks, Algorithms, Systems, Databases, and Data Mining

Skills

Languages Python, Java, JavaScript, C, C++, Haskell, SQL, Racket

Frameworks/Tools GraphQL, React, Redux, Flask, Docker, Git, Node, Express, Sklearn, Matplotlib, Django, PyQt

Experience

Lola.com

Boston, MA

FULL STACK SOFTWARE ENGINEERING CO-OP

January 2020 - August 2020

- Built bank account linking with Stripe and Plaid for a new product from the ground up.
- Created self-service feature for users to edit loyalty numbers post-booking.
- Helped increase flight search speed by 10x.
- Updated detection and display of red-eye flights.
- **Tech:** Javascript, React, Redux, GraphQL, PSQL, Python, Stripe, Plaid

Khoury College of Computer Sciences

Boston, MA

TEACHING ASSISTANT – OBJECT ORIENTED DESIGN

September 2019 - December 2020

- Held four Office hours a week to assist students.
- Graded assignments and tests.
- Explained complex design patterns in an understandable manner.

Optum

Boston, MA

SOFTWARE ENGINEERING INTERN

June - August 2019

- Created full-stack application to speed up the intake process for Wing2Wing2Wing—a way to test health plans in production.
- Added content cards to inform users about the tool, and a dynamic questionnaire to determine testing needs and compatibility.
- Reduced intake time from days to minutes.
- **Tech:** Javascript, React, Redux, Express, Microsoft SQL

Stony Brook University

Stony Brook, NY

UNDERGRADUATE RESEARCHER

June - August 2018

- Created software to find and visualize empty space in high order datasets.
- Allowed for researchers to see holes in their data so they could adjust their experiments to be more comprehensive.
- **Tech:** Python, Sklearn, Matplotlib

Brookhaven National Laboratory

Upton, NY

SOFTWARE DEVELOPMENT INTERN

July - August 2016

- Created xpdView, a software package for real-time data analysis and visualization.
- Used by researchers at the x-ray powder diffraction beamline to accurately control their experiments.
- **Tech:** Python, PyQt, Matplotlib

Projects

Optum Global Hackathon | 4th Place

Boston, MA

TECH: PYTHON, FLASK, SKLEARN, JAVASCRIPT, REACT

July 2019

- Created the Smart Tool for Escalation Prevention (STEP) which used machine learning to predict which United Health Group customers were at risk of escalation.
- At-risk users could be contacted by phone or email directly through the app.

Activities

WRBB Radio, Club Cycling, Club Triathlon

Interests

Cycling, Music, Photography, Modern Art, Machine learning, Computer Graphics, Functional Programming, Computational Photography