Benjamin Danek

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Student and Software Engineer interested in building remarkable products accessible for everyone.

EXPERIENCE

Software Engineer, San Francisco CA — *New Relic Inc.*

06/2021 - PRESENT

Full Stack engineer on the Errors Inbox product team. (Java, Typescript, React, Kafka, GraphQL)

Distill petabytes of observability metrics to provide customer insights on their deployed applications.

- Own feature design, and implementation
- Own Infrastructure decisions and scalability
- Own product SLAs with on call rotation
- Take leadership opportunity as sprint planner and feature lead

Software Engineer Intern, Phoenix AZ — *New Relic Inc.*

05/2020 - 08/2020

- Full Stack intern on the Synthetics product team. (Java, Typescript, React, Docker, Selenium, Bash)

Hardware Engineer Intern, Fremont CA — *Lam Research*

06/2019 - 08/2019

- Time series analysis for predictive maintenance in semiconductor manufacturing. (Python, Keras, PCB Design, Arduino)

June 2018 - August 2018

- Solving manufacturing quality control problems with Deep Computer Vision Models. (Python, Tensorflow, OpenCV3)

Undergraduate Research Assistant, Tempe AZ — *Arizona State University*

03/2018 - 05/2020

- Deep Learning research at the Design Informatics Lab on characterizing Adversarial Examples in neural networks. (Python, Tensorflow, OpenCV3)

Teaching Assistant, Tempe Arizona — *Arizona State University*

01/2019 - 12/2019

- CSE 240: Introduction to Programming Languages (C, C++, Racket, Prolog).

SKILLS

Java, Typescript, Javascript (ES6), Python, React, GraphQL, Kafka, AWS, Docker, Bash, SQL, Node, Pandas, numpy, scipy, C++ Object-Oriented Programming, Figma

AWARDS

ASU Academic Achievement Scholar (2017 - 2021)

Fulton Undergraduate Research Initiative Recipient (Spring 2019)

Fulton Undergraduate Research Initiative Recipient (Fall 2020)

LANGUAGES

English
Czech

VOLUNTEER

First Lego League: Chicanos Por La Causa, Phoenix AZ

Animal Assisted Happiness, Sunnyvale CA

University of Illinois Urbana Champaign — Master of Computer Science

August 2022 - December 2023 (Expected)

Coursework in Distributed Systems and Applied Machine Learning.

Arizona State University, Tempe AZ — *B.S. Computer Science*

August 2017- May 2021

3.78/4.00 Computer Science GPA, 3.65/4.00 overall GPA.

Graduated with Magna Cum Laude Honors, Deans List.

Anto — *Stanford University School of Medicine*

Submission to the Stanford Catalyst.

Principal contributor for a screening tool that aggregates environmental data for approximating an individual's pesticide exposure based on geography.

(Python, Typescript, React, NodeJS, Google Cloud Platform, Postgres)

D.R.I.F.T. — *Capstone Project at Arizona State University*

Co-lead of a CI tool used for automated vulnerability detection on the PX4 open-source flight controller. Work done in partnership with Dr. Jnaneshwar Das' Distributed Robotics Exploration and Mapping Systems Lab.

(C++, Python, Javascript, Amazon Web Services, Bash, AFL)

Digital Whiskers — *Engineering Projects in Community Service*

Technical Lead on IoT project aimed at using LIDAR measurement and wearable haptic apparel to provide communicate spacial layout to visually impaired. Work funded by the Engineering Projects in Community Service (EPICS) Gold program.

(C++, Python, LIDAR, Arduino, Soldering)