

ALEXANDER CAPALDO

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Education

Indiana University

MASTERS IN MEDICAL SCIENCES

Florida International University

BACHELOR OF ARTS IN HEALTH SCIENCES

Work Experience

Medical Scribe

BAPTIST HEALTH

2016 – 2020

- Documented lab results, histories, medications, and doctor-patient interactions.
- Translated from English-Spanish and Spanish-English.
- Worked in urgent cares, private offices, emergency rooms, outpatient and inpatient surgical settings.
- Specialties include Family/Internal/Emergency Medicine, General Surgery, Cardiology, Gastroenterology.

Clinical Data Analyst

BAPTIST HEALTH

2018 – 2020

- Automated chart creation for physicians and scribes utilizing Regex, keyboard event APIs, and Dragon.
- Automated chart reviews with machine learning based optical character recognition models.
- Migrated office operations and communications onto an Airtable database.
- Leveraged forecasting models for patient census to support staffing decisions.
- Designed, tested, and maintained Tableau dashboards.
- Assisted in creating chart templates for all specialties and settings system-wide.
- Served as a liaison between data warehouse and physician group leadership.

Scribe Supervisor

BAPTIST HEALTH

2017 – 2018

- Supervised 60 scribes across 7 urgent care sites.
- Spearheaded the transition from T-System to Cerner.
- Tasked with scheduling and crisis management for physicians and scribes.
- Worked with clients to expand scribe roles and determine staffing needs.

Skills

Languages

English Spanish

Programming

Python Swift Javascript HTML CSS LaTeX

Databases

Tableau SQL / SQLite Airtable Diveport / ProDiver

Technologies

bash / zsh git Github / Gitlab Markdown AppleScript

Software

Jupyter Cerner T-System Dragon Dictation Microsoft Office Suite

Compliance

HIPAA GMP / GLP

Python Frameworks

NumPy pandas matplotlib scikit-learn scispacy TensorFlow

Swift Frameworks

CreateML SwiftUI CoreData

Research & Lab Experience

Targeting TCDS to discover antibiotics against bacterial DNA gyrase

DR. FENFEI LENG

Implemented a fluorescence assay protocol for the discovery of bactericidal molecules.

2015 – 2018

Over-the-counter vitamin content analysis with HPLC

DR. GEORGINA HART

Developed procedures to analyze store-bought vitamins.

2015 – 2016

General and organic chemistry curriculum development

DR. GEORGINA HART

Created lab experiments with a quantitative grading scale for students.

2014 – 2015

Carbon and boron nitride nanotubes

DR. SERVANDO MUÑOZ

Prepared presentations and grant applications for lab funding.

2014 – 2015

Internships & Volunteering

Open Source Projects

ANKI, DASH, KEYBASE, PAPIS, YABAI

Incorporated novel features and developed technical documentation.

2016 – PRES

Quality Control Intern

SWITCHBOARD OF MIAMI

Developed a training and retraining program for behavioral analysts to improve counseling.

2014 – 2015

Suicide Hotline Volunteer

SWITCHBOARD OF MIAMI

De-escalated suicidal individuals and directed them towards a care plan.

2013 – 2014

ER and IV Preparation Volunteer

BAPTIST HOSPITAL

Assisted in labeling of medication and transportation of lab specimens.

2013 – 2014

Accolades & Memberships

Dean's List Recipient

10+ SEMESTERS

2013 – 2019

Alpha Epsilon Delta Honor Society

MEMBER

2016 – 2017

Medically Engaged Diverse Students

MEMBER

2016 – 2017

Presidential Volunteer Service Award

GOLD LEVEL RECIPIENT

2015 – 2016

Phi Theta Kappa Honor Society

MEMBER, TREASURER

2013 – 2015