Logan Ayliffe

PERSONAL DETAILS

Location: Randstad, Netherlands
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Nationality: American
Work Permit: Zoekjaar Orientation Year

PROFILE SUMMARY

A recent arrival to the Netherlands seeking an opportunity to combine my computer science expertise with a mission-driven team to make a positive impact in the world.

PROFESSIONAL EXPERIENCE

Keye, Early Stage Startup — Remote
Software Engineer Intern — 2021 -- Current
- Full-stack software engineer intern at early stage startup based out of the Wharton School of Business. Responsibilities include designing backend API features in Java and implementing frontend designs from Figma files in React / Typescript.

University of Pennsylvania, Department of Family Medicine and Community Health — Philadelphia, PA
Data Engineer — 2018 -- 2021
- Increased average healthcare worker productivity by 14% by implementing practice-wide business intelligence dashboards for 30+ primary care, inpatient, and obstetric providers leading to significant top-line revenue growth four fiscal years in a row.

University of Pennsylvania, National Center for Integrated Behavioral Health — Philadelphia, PA
Lead Technical Product Manager — 2016 -- 2018
- Leverage $14M in federal sponsored projects dollars to fund interdisciplinary team of high level stakeholders in creating Center brand identity, website, social media strategy, and style system leading to acquisition by MAYO Clinic researchers.

EDUCATION

University of Pennsylvania, School of Engineering and Applied Science — Philadelphia, PA
Master of Computer and Information Technology | GPA: 3.59 / 4.00 — May 2021
Nuffic Diplomawaardering Reg.nr.: IcDW/05-61996

University of Pennsylvania, College of Arts and Sciences — Philadelphia, PA
Bachelor of Arts in Cognitive Science: Computation and Cognition | GPA: 3.81 / 4.00 — May 2021

SELECTED PROJECTS

PennPals
react, express, node, mongodb, twilio, figma | GitHub
- Collaborate in a team of 3 to design and create a WhatsApp clone using MERN stack and Twilio Conversations API
- Design and develop messaging and multiple party audio and video chat functionality built on top of the Twilio Conversations API.
- Primary project manager for the team using agile methodology and GitHub Projects.

Can Twitter predict US county-level excessive alcohol consumption?
pandas, python, sklearn | GitHub
- Collaborated in a team of 3 to implement published ridge regression ML model which uses NLP derived features from dense, high dimensional Twitter data to predict excessive alcohol consumption.
- Experimented with various methods of dimensionality reduction to improve model performance.
- Designed and implement feed-forward neural network to replace prior model yielding significant improvement in both Pearson R and mean absolute error.

SKILLS

Programming Languages: Python, Javascript, Java, C, C++
Databases: SQL, MongoDB, Neo4j, GraphQL
Platforms: AWS, Visual Studio, Eclipse, Github

Web: HTML/CSS, React, Node, Express, Bootstrap
Tools & Libraries: Git, sklearn, pandas, Travis CI, Postman
Design: Figma, Adobe Photoshop, Illustrator, InDesign

ADDITIONAL INFORMATION

Languages: English (native), Spanish (intermediate), Dutch (beginner)
Hobbies: Cooking, traveling, weightlifting, cycling, reading, painting
Volunteer: Founder, MCIT Student Organization | Founder, Annual MCIT Hackathon | Co-Founder, DFMCH Community of Caring
References: Gladly provided upon request