YIGIT ALPARSLAN

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SAP PEOPLE'S PROFILE

I like immersing myself in new technologies and live for delivering software products. I specialize in AI & ML, full-stack and public cloud app development. I am looking for roles in the US & Canada.

EDUCATION

M.S. in Computer Science | B.S. in Electrical & Computer Engineering | Drexel University

- Concentrations: Artificial Intelligence and Computer & Network Security   **Cumulative GPA: 3.97**
- Honors Degree, Dean's list   Expected Graduation: June 2021

SKILLS

- Python • Java • C • Hadoop • Git • Docker • HTML • CSS • JavaScript/TypeScript • NodeJS • React.js • Vue.js • Redis
- MongoDB • MySQL • RESTful API • GraphQL • Travis CI/CD • AWS/AliCloud/GCP • Django • Firebase • Tableau
- SAP UI5 • SAP Analytics Cloud/ Cloud Platform • SAP Web IDE • SAP Conversational AI • SAP BusinessObjects • SAP HANA XSA

WORK EXPERIENCE

STAR Program | SAP North America, Inc. - Newtown Square, PA

Software Development Intern | SAP Multi Cloud   June 2020 - Present
- Code network monitoring platform for SAP's AliCloud and AWS Public Cloud Architecture

UI/UX Developer Intern | SAP Talent Acquisition and Branding   Mar 2019 - June 2020
- Develop new careers job description pages for jobs.sap.com (10 million+ visits / year)

Full-Stack Developer Intern | SAP Center of Expertise   Apr 2019 - Mar 2020
- Boosted start time of an internal assignment tracker app (400+ people) by 15% via lazy loading and caching
- Improved interaction count by 3x for an internal training app by implementing a conversational AI
- Created a neural network with 86% accuracy to predict SAP Max Attention customer churn rate

Outage Analysis Technologies Coop | PJM, Audubon, PA   Apr 2018 - Sept 2019
- Automated system performance for in-house applications, and databases via Python, PL/ SQL, and Visual Basic
- Unit-tested/maintained new application functionalities throughout the agile development lifecycle
- Facilitated SCRUM events by using Confluence/JIRA for quality control and developed design requirements

Lem.ma, Inc | Start-up at Drexel University, Philadelphia, PA   May 2017- Sept 2017
- Created over 100+ 2D/3D plots and graphics for an online education platform by using Python and JavaScript

PROJECTS & RESEARCH

DRIVE UP! | Android App @ Play Store   June 2020 - July 2020
- Developed, maintained, and published an android app to Play Store to alert drowsy drivers when they doze off
- Implemented a machine learning model that can detect drowsiness under 80ms with 98%

Training Dashboard | Workforce Optimization App   Apr 2019 - Apr 2020
- Developed RESTFUL API with Postman & SAP XSJS and implemented database with SAP HANA & MySQL
- Implemented secure integration with SAP Cloud Platform using enterprise integration patterns
- Designed frontend architecture for scalable enterprise using SAP UI5, JavaScript HTML5, jQuery

React Feedback Popup | Open Sourced NPM Package (100+ downloads/month)   Mar 2020 - Apr 2020
- Designed a production-level feedback package in React.js and published to NodeJS Package Manager Platform
- Employ CI/CD with Travis to maintain deployments, test with Jest framework and handle Pull Requests via GitHub

Free Food Book | Social Media App   Jan 2020 - Apr 2020
- Developed a social media app that lets users find events with free food and discounts and maintain engineering infrastructure, tools and services with MongoDB, NodeJS, React.js, Express, Travis CI/CD

Linkify| Personal Brand Management App   Jan 2020 - Mar 2020
- Developed a full stack app with MongoDB, Express, React, & NodeJS deployed on Heroku Cloud Platform

Churn Rate Predictor | Docker Web Application   Dec 2019 – Mar 2020

- Developed a full stack app with Django, React, MySQL and Docker deployed on Heroku to predict SAP Max Attention customer churn rate with 86% accuracy based on historical data

HELP UP! | Mental Health Support Platform   Sept 2019 - Jan 2020
- Developed a non-emergency anonymous chat platform for people who need help with mental depression
- Created account registration, login, chatrooms, messaging with Firebase, Express, Node.js React and Socket.io

PageRank Implementation with MapReduce and Hadoop   June 2019 - July 2019
- Used MapReduce on Hadoop Distributed File System to implement page rank algorithm

Perceptual Hashing as a Facial Image Filter presented @ Drexel University   Apr 2019 - June 2019
- Used Gaussian Blurring as a defense against adversarial attacks, which reported 3.6% increase in accuracy

Evaluating Adversarial Attacks in Audio Domain presented @ Harvard University   Jan 2019 - Apr 2019
- Crafted 27 CTC white-box, and PCA black-box attacks on DeepSpeech with 100% success

Evaluating Deep Neural Networks' Robustness presented @ Stanford University   Nov-Dec 2018
- Performed 10,000+ non-targeted CW attacks to DNNs and reported an improvement of 44.3% on L_2 defense

LEADERSHIP EXPERIENCE
- Drexel Society of AI - Founder & President - Promote AI research, mentor members, facilitate workshops
- DragonHacks (Drexel's very own 24-hour Hackathon) - Committee Member – Organize the hackathon activities
- Resident Assistant 2018 – Facilitate freshman class residency trainings
- Teaching Assistant 2018 - present – Teach Parallel Computing, Deep Learning and AI classes for graduate students
- Drexel STAR Research Scholar; Undergraduate Research Leader; DAAD-Rise Germany Scholar; Drexel A.J Scholar