YIGIT ALPARSLAN

LINKEDIN.COM/IN/YIGIT-ALPARSLAN
ALPARSLANYIGITCAN@GMAIL.COM
GITHUB.COM/YA332
YA332.GITHUB.IO
(267) 690 8405
PHILADELPHIA, PA, US

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 software engineering 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 • BASH • C • MATLAB • MySQL • HTML • NodeJS • CSS • JavaScript
- React.js • Git • Jupyter Notebook • TensorFlow • PyTorch • NumPy • Keras • Pandas • Scikit-learn • NLTK • Tableau

WORK EXPERIENCE

STAR Intern | 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   **April 2019 — March 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   **April 2018—Sept 2019**
- Automated system performance for in-house applications, and databases via Python, PL/ SQL, and Visual Basic
- Tested/maintained new application functionalities throughout the agile development lifecycle with unit testing
- Facilitated design requirements and testing documents by using Confluence/JIRA for quality control

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

HELP UP | Mental Health Support Platform| MERN Web App   **January 2020**
- Develop a non-emergency anonymous chat platform for people who need help with mental depression
- Create account registration, login, encrypted messaging, chatroom features by using MERN Stack and Socket.io.

Perceptual Hashing as a Facial Image Filter | Drexel University   **Apr—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 @ Stanford URC 2019   **Jan—Apr 2019**
- Crafted 27 CTC white-box, and PCA black-box attacks on DeepSpeech with 100% success

Evaluating Deep Neural Networks' Robustness presented @ Harvard NCRC 2018   **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 2019 – Facilitate freshman class residency trainings
- Teaching Assistant 2018-present – Teach Parallel Computing, Deep Learning and AI classes for graduate students
- Event Coordinator, French Club Peer-Mentorship Program - Awarded "Campus Awards" by the Embassy
- Drexel STAR Research Scholar; Undergraduate Research Leader; DAAD-Rise Germany Scholar; Drexel A.J Scholar