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| **YIGIT**  **ALPARSLAN** | [**LINKEDIN.COM/IN/**](https://www.linkedin.com/in/yigit-alparslan/)**YIGIT-ALPARSLAN** | [**YA332.GITHUB.IO**](https://www.yigitalparslan.com) |
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| [**GITHUB.COM/YA332**](https://github.com/ya332) | **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**](https://boomi.com)**.** **- Newtown Square, PA**

**Software Development Intern |** [**SAP Multi Cloud**](https://boomi.com) **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 Jan—Mar 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 presented @ 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 @ Harvard NCRC 2020 Jan—Apr 2019**

* Crafted 27 CTC white-box, and PCA black-box attacks on DeepSpeech with 100% success

**Evaluating Deep Neural Networks’ Robustness presented @ Stanford URC 2019 Nov—Dec 2018**

* Performed 10,000+ non-targeted CW attacks to DNNs and reported an improvement of %44.3 on L2 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