

YIGIT ALPARSLAN

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EDUCATION

- Master of Science in Computer Science, Drexel University, Philadelphia, PA, US, **GPA: 3.97** Sept 2019 - June 2021
- Bachelor of Science in Electrical Engineering, Drexel University, Philadelphia, PA, US, **GPA: 3.97** Sept 2016 - June 2021
- Bachelor of Science in Computer Engineering, Drexel University, Philadelphia, PA, US, **GPA: 3.97** Sept 2016 - June 2021
- Drexel Global Scholar, BS/MS Graduate, Drexel AI Founder, Honors Degree
- 2015 National Physics Olympiad Silver Medal Winner, Turkey

WORK EXPERIENCE

Software Engineer | Microsoft | Redmond, WA (Azure, SQL, REST API) July 2021 - Present

- Developed telemetry infrastructure for Platform Engineering to ensure 99.999% availability for internal finance platform.
- Created a Teams bot to alert the team about production failures and improved acknowledgment duration by 50%.
- Automated incident creation after production failures, which has led to 300% faster recoveries.

STAR Intern | SAP | Newtown Square, PA (Java, Git, SQL, REST API, JavaScript, Microservices) Apr 2019 - June 2021

- Interned at SAP Multi Cloud Team and saved 5+ million dollars/year by detecting underutilized cloud assets and recommending reservations for overutilized assets through automating internal cloud purchases in AWS, Azure and GCP.
- Interned at SAP Predictive Maintenance Team and developed RESTful APIs to predict failure modes for customer equipment. Developed REST APIs and database schemas used by external customers and increased code coverage by 25%.
- Interned as DevOps Engineer at SAP Multi Cloud Team and developed telemetry platform to ensure 99.999% availability on SAP's AliCloud architecture.
- Interned as UI/UX Developer at SAP Talent Acquisition and Branding Team and programmed jobs.sap.com (10 million+ visits/year) using HTML5, CSS3 and JavaScript.
- Interned as Full-Stack Developer at SAP Center of Expertise and improved interaction counts by 3x for an internal training app (used by 400+ people) by implementing a conversational AI. Delivered a neural network in SAP Cloud Platform to predict SAP cloud customers' churn rate with 86% accuracy.

Outage Analysis Technologies Coop | PJM | Audubon, PA (Python, Bash, SQL) Apr 2018 - Sept 2018

- Reduced duration for performance testing of in-house applications by 50% via Python and PL/SQL scripts.
- Implemented automated integration tests and increased test code coverage by 18%.
- Facilitated SCRUM events by using Confluence/JIRA for quality control and developed design requirements

SKILLS

• Python • Java • Spring Framework • C • Git • Docker • HTML • CSS • JavaScript • NodeJS • React • Vue.js • SQL • MongoDB • NoSQL • Jenkins • GraphQL • RabbitMQ • Travis CI/CD • AWS • AliCloud • Azure • GCP • Django • Firebase • Tableau • Redis

PROJECTS

CodeTernel: Web App (NodeJS, NoSQL, React, Socket.io, Express, MongoDB) Feb 2022

- Developed an online real-time pair programming and code collaboration platform.

Crypto Squirrels: NEAR MetaBUILD Hackathon (React, Heroku, NEAR Blockchain, NFT) Feb 2022

- Created a decentralized app on NEAR blockchain to prepare users for tech interviews. Users are verified through NFTs.

Slide Puzzle Hacked: Flutter Puzzle Hackathon (Flutter, Firebase) Feb 2022

- Implemented a sliding puzzle game for Flutter Puzzle Hack 2022, deployed as website and an Android app at Play Store.

HairLight: Play Store App (TensorFlow, Java) Jan 2022

- Implemented a machine learning model that can change hair color in real-time under 15ms with 99% accuracy.

apk2aab: Web App (React, Heroku, MongoDB, NoSQL, Express, NodeJS) Jan 2022

- Implemented a web app that allows users to convert Android Package Kit (APK) files to Android App Bundle (AAB) files.

Medioo: Play Store App (Flutter, Firebase) Jan 2022

- Developed and shipped a mobile app that allows users to log, filter, visualize and track blood pressure data.

StreamPal: Play Store App (React, TypeScript, Firebase) Jan 2022

- Developed and shipped a mobile app that allows users to swipe on movies until a match is found.

Drive UP: Play Store App (TensorFlow, Java) July 2020

- Implemented a machine learning model that can detect driver drowsiness in real-time under 80ms with 98% accuracy.