**YIGIT ALPARSLAN**

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**EDUCATION**

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

* 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, Microservices, Distributed Systems) July 2021 - Present**

* Constructed telemetry infrastructure for Platform Engineering to ensure 99.999% availability for internal finance platform.
* Finished 38% of the release 2 months before the deadline which reduced the project timeline by 30%.
* Developed monitors that track system health status, measure latencies, detect errors, and monitor telemetry, which has led to 66% faster recoveries from incidents and 15% less defects in production.

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

* Interned at SAPMultiCloud 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](https://boomi.com) and developed RESTful API to predict failure modes for customer equipment. Implemented and designed the database schema, REST APIs, concurrency, structured logging, and inter-service communications to serve 10k+ requests per second.
* Interned as DevOps Engineer at [SAP Multi Cloud](https://boomi.com) Team and constructed 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) Mar 2019 - Sept 2019**

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

**TECHNICAL SKILLS**

Python, Java, Spring Framework, C, C#/.NET, Git, Docker, HTML, CSS, JavaScript, TypeScript, NodeJS, React, Vue.js, MongoDB,

MySQL, NoSQL, RESTful API, Jenkins, GraphQL, RabbitMQ, Travis, AWS, AliCloud, Azure, GCP, Django, Firebase, Tableau, Redis

**PROJECT EXPERIENCE**

**CodeTernel:** [**Web App**](http://codeternel.herokuapp.com/)(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**](https://crypto-squirrels-coding-club.herokuapp.com/)(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**](https://slide-puzzle-hacked.web.app/) (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**](https://play.google.com/store/apps/details?id=com.hairlight.mediapipe.apps.hairsegmentationgpu) (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**](https://apk2aab.herokuapp.com/)(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**](https://play.google.com/store/apps/details?id=app.web.medioo) (Flutter,Firebase) **Jan 2022**

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

**Drive UP:** [**Play Store App**](https://play.google.com/store/apps/details?id=driveup.facedetector) (TensorFlow, Java) **July 2020**

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