Emilio F. **Prado Chible**

COMPUTER SCIENCE STUDENT

Monterrey, N.L., México

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Education

Tecnologico de Monterrey | 2019-2023   *Monterrey, N.L., México*

B.S. IN COMPUTER SCIENCE AND TECHNOLOGY   *Aug. 2019 - June. 2023*

- Professional Concentration on Advanced Artificial Intelligence for Data Science.

Work Experience

NEORIS (Consulting IT company)   *Monterrey, N.L.*

FULLSTACK DEVELOPER WITH REACT & .NET   *Jan. 2022 - Aug. 2022*

- Fullstack developer using **React** and **.NET**. Managed global state with **Redux**, **unit tested** using **React Testing Library** and **Jest**, internationalized the web app (**i18n**), optimized application avoiding unnecessary re-renders.
  Technologies used: **React, .NET, SQL Server.**

MSCI   *Monterrey, N.L.*

DEVOPS ENGINEER INTERN   *Aug. 2022 - Jan. 2023*

- Managed common cloud infrastructure maintenance tasks such as refactoring declarative code to avoid state clashes, fulfill compliance requirements, improve current processes and bug fix day to day encounters; Worked with a variety of cross-functional teams such as project managers, business teams and developers to build dashboards using telemetry data to get full visibility into critical workload systems, important business insights and visibility on client errors in order to act upon these events.
  Technologies used: **Azure, Azure DevOps, Bash, Terraform, Kubernetes.**

Skills

Programming Languages	Go, Typescript/Javascript, C#, Python, C++, Swift
Frameworks	React & React Native, Next.js, .NET Core, Node.js/Express.js, NestJS, Angular
Development	Azure, AWS, Git, SQL, Bash, Unit Testing, Documentation
Languages	Spanish, English, French
Soft Skills	Problem solving and critical thinking, Adaptability, Teamwork, Willingness to learn

Projects

Kaggle: Hotel-ID to Combat Human Trafficking using Machine Learning   *College Project*

FULLSTACK   *Aug. 2022 - Dec. 2022*

- Performed data splitting, class balancing and data augmentation from training dataset, applied CNNs for image classification with transfer learning and fine tuning
- Technologies used: FastAI, Pytorch, Keras, Python, Azure.

Story Effort Predictions with Machine Learning and Web Application (React & NestJS). *College Project*

FULLSTACK   *Feb. 2022 - Jun. 2022*

- Key features: Single/bulk upload of JIRA Stories for predictions, state management, pagination from API and beautiful UI.
- In charge of developing frontend with React and backend with NestJS communicating with FastAPI backend which is in charge of running all file processing and serves as a bridge between NestJS and the ML Model.
- Technologies used: React, NestJS, SQL Server, FastAPI.

Library Web App using React & .NET Core   *College Project*

FULLSTACK   *Jan. 2022 - Mar. 2022*

- Key features: Authentication and Authorization, Access and refresh tokens, CRUD of books, Review section for books, applied SOLID to promote maintainability, modularity, and testability
- Server consisted of an N-tier architecture separating concerns between layers, used stored procedures for database writes, integrated SendGrid API to enable email sending, utilized access and refresh (JWT) tokens to enhance security and extend session lifetimes
- Technologies used: React, Redux, .NET Core, SQL, MongoDB.

Certificates

AZ-900: Azure Fundamentals

MICROSOFT   *Oct. 2022*