

Pablo Ángel Álvarez Fernández

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SUMMARY

Dedicated Computer Science engineer. Passionate about new technologies, focused on cloud, web development, database management and testing.

EDUCATION

2019-Present	ILLINOIS INSTITUTE OF TECHNOLOGY <i>Information Technology and Management masters, expected graduation May 2020</i>	Chicago, IL GPA: 4/4
2018-Present	TECHNICAL UNIVERSITY OF MADRID <i>Computer Sciences masters, expected graduation May 2020</i>	Madrid, Spain
2014-18	UNIVERSITY OF LEÓN <i>Computer Sciences degree</i>	León, Spain <i>Honors: final project (LRAC)</i>

EXPERIENCE

02/20-Present	ILLINOIS INSTITUTE OF TECHNOLOGY <i>Student developer</i> <i>ArtificialPancreas, Engineering Center for Diabetes Research and Education</i> <ul style="list-style-type: none">• Implement full-stack native mobile application with Android Studio, Node and MongoDB.• Creation of a secure platform as a goal, due to the use of medical records.• Collaborate with a group of chemistry students who create Matlab models based on the application data.	Chicago, IL
06/2017-07/18	UNIVERSITY OF LEÓN <i>Student Developer</i> <i>LRAC, Institute of Automatics and Manufacturing</i> <ul style="list-style-type: none">• Monitoring physical systems with real-time animations.• Researched front-end technologies as Angular, React and similar.• Designed and implemented teaching application using Angular 2 to 6 in Typescript.• Supported a group of 60 students working real-time with automation machines.	León, Spain

PROJECTS

10/19-Present	Factor: Web repository of transcribe online classes <i>Researcher, School of Applied Technology</i> <ul style="list-style-type: none">• Research and full-stack development of a service that offers IIT students' transcription and keyword search capabilities in their course's videos.• Manage cloud services such as Google oauth2.0 AWS S3 or AWS Transcribe.• Kubernetes orchestrated using Ingress and other load-balancers for managing Angular front-end, Node back-end and MongoDB in separated pod and their replicas.	Chicago, IL
2017-18	TeamRide: hybrid mobile application for sharing trip expenses <i>Developer, Team project</i> <ul style="list-style-type: none">• Directed and implemented mobile application for sharing gas expenses within a sport team.• Managed user authentication through Firebase.• Achieved wiring Ionic with SQLite and Node.	León, Spain

SKILLS

Java	5 years building class projects, some of them with technologies as JavaFX, JSP, JDBC or Spring.
Python	3 years making several small personal projects, some of them currently running. <ul style="list-style-type: none">• Projects with Raspberry Pi as a cloud server, video-surveillance alarm, Smart Mirror connected with Alexa or Telegram bots.
JavaScript/ TypeScript	2 years working and projects experience with both languages applied to the solutions described above.

PERSONAL

- Instructed private Java lessons to four students within two years.
- Installed wireless thermometer which measured an entire house room's temperature with NodeMCU. Plus, monitoring capabilities in a web application.
- Languages: English and Spanish.

