Jonathan David Quespaz Sanchez [↗](#)

jonathanquespaz2007@gmail.com [↗](#)
Get Latest version [↗](#)

 JonathanDQS [↗](#)
</> Angular, .NET
See dark theme [↗](#), See Spanish Version [↗](#)

EXPERIENCE

- **WebCreek** — Quito, Ecuador
  Software Engineer I — *Feb 2021 – Feb 2022*
  - Designed and developed modules in an existing application involving accounting logic. .NET was used for the backend and Angular for the frontend
  - Worked on the modification of a web application to support responsiveness which involved SASS and learning about third party libraries. Refactored most of the styles and coordinated efforts to implement new modules maintaining consistency to provide a good user experience

- **WebCreek** — Quito, Ecuador
  Software Engineer - Internship — *Aug 2020 – Feb 2021*
  - Worked in a multicultural team mainly developing reports with the DevExpress Reporting tool, gaining some experience in the .NET framework and Angular, handling the requests and providing a nicely looking interface

- **Disanort (Family Business)** — Sangolqui, Ecuador
  English, Physics and Maths Tutor — *2017 – Present*
  - Taught and helped students from middle and high school during summers
  - Currently tutoring students when required

EDUCATION

- **Escuela Politecnica Nacional EPN** — Quito, Ecuador
  MSc in Software — *May 2020 – Present*

- **The University of Manchester** — Manchester, UK
  BEng in Computer Systems Engineering — *2016 – 2019*
  - First Class
  - Certificate of Higher Education [↗](#) and Academic Transcript [↗](#)

- **INTO Manchester** — Manchester, UK
  IFY - International Foundation Year — *2015 – 2016*
  - Results: Further Maths - A*, Maths - A*, Physics - A*, EAP - A

- **Unidad Educativa Santa Ana** — Sangolqui, Ecuador
  High School Degree in Sciences — *2008 – 2014*
  - Result: 9,76/10

CERTIFICATIONS

- **Coursera** — MOOC
  Reviews and Metrics for Software Improvements - ID: P7JVG8XMHUX9 [↗](#) — *Issued Jul – 2020*

- **Udemy** — MOOC
  Java Design Patterns & SOLID Design Principles [↗](#) — *Issued Jun – 2021*

PROJECTS

- **HelpMeOut:** Web app aimed to students. Managed the backend with PHP and databases with MySQL and phpmyadmin.

- **Stendhal:** Developed, tested and deployed a feature in an open source MORPG.

- **ParcOS:** Implemented a simple OS for a Raspberry Pi ⬀

PROGRAMMING LANGUAGES EXPERIENCE

- **C:** Mainly used for the implementation of well-known algorithms and optimization techniques. Heuristics, dynamic programming, Dijkstra, are a few examples

- **Assembly ARM:** Developed a primitive OS and used it for the implementation of microcontroller's routines

- **Java:** Used for multi-threading performance analysis, simple GUI development, Android applications, distributed systems simulations, Spring Framework web apps development

- **Matlab:** Implemented machine learning algorithms such as linear regression, knn, k-means and Naive Bayes

- **PHP:** Backend management of a web page, fairly simple and straight forward implementation

- **SQL:** Analysed case studies based on the Relational and Enhanced Relational models, implementing them in an Oracle server

- **Verilog:** HDL used to build a wide range of units ranging from traffic light controllers to more complex systems such as a video display unit

- **Python:** Analysed signals in the frequency domain, encoded and decoded multimedia files using different approaches, worked on error detection and correction aimed to mobile systems

- **JavaScript:** Experience acquired in order to use the Google Maps API and Geo-location services in order to facilitate the use of the Spring Framework in web apps

- **C♯:** Backend handling of requests in a web application. Mostly worked on DB updates, filter data optimally before processing to pass it to the frontend, and report generation using DevExpress

ADDITIONAL INFO

- **Languages:** Spanish – Native speaker, English – C2 Cambridge Certificate ⬀

- **Qualifications:** Driver's license, Open water diver – 1806AT8758 ⬀