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Education

Master of Cognitive Systems

Universitat Pompeu Fabra

2021

Barcelona, Spain

Bachelor of Computer Engineering

Costa Rica Institute of Technology

2010

Cartago, Costa Rica

Experience

Senior Software Engineer

Wunderman Thompson

2021 – 2023

San José, Costa Rica

- Developed back end API endpoints for Qualcomm Connected website, enabling seamless data communication and interaction between different components. Python, Django, and MySQL were used to ensure efficient data retrieval, manipulation, and transmission. Docker images were employed for handling deployments.
- Built front end presentation layer for future technologies landing page of Qualcomm Connected, including lazy loading and full responsiveness, and revamped IoT page using VueJS, Typescript, Npm, Sass and Html5.
- Implemented navigation accessibility features for Microsoft Security Insider site using Javascript and Html5. Contributed to A/B testing design and execution for new variants of the site. Reports on results were generated using Optimizely.

Software Engineer

Possible

2013 – 2019

San José, Costa Rica

- Launched two different site refreshments for the At&t Thanks brand. Tasks included developing new Python/Django API end points for offers and seasonal campaigns, Unit tests design and execution as well as front end style enhancements using Bootstrap and Javascript.
- Successfully led a team of three developers in the successful overhaul of the Mazda Motors Mexico site. Oversaw the transition of multiple outdated Flash maps and pages to Html5, implemented mobile compatibility using Bootstrap and Sass, and achieved substantial enhancements in overall site performance. Ensured ongoing maintenance after release, maintaining the site's excellence and user experience.
- Drove the development of front-end new features for Gates Foundation's Media Center site, including a revamped navigation menu for desktop/tablet/mobile, built using Pattern Lab.

Developer

Avantica

2012 – 2013

San José, Costa Rica

- Provided maintenance to Calamp, a navigation services client based in Java, Spring and Hibernate. Database scripts maintenance in MySQL.
- Migrated legacy Php and Perl scripts to Java for Tomax account for system performance improvement. Designed and executed Unit Tests using JUnit.

Intern/Developer

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2010 – 2012

Heredia, Costa Rica

- Developed new modules for GCMS (Genesis Correspondence Management System), a private-owned web application for handling banking correspondence based in JSP, Java and Maven.
- Awarded Top Performer and Outstanding Performer.

Academic Work

The Language of Art and Architecture (2021). Master's Thesis Project. Identification and extraction of semantic relations in arts, design and architecture texts through domain-adaptation of a novel language classification model, using Python, Pytorch and spaCy. Full text available [here](#).

Technical Skills

Languages: Python, Java, SQL, JavaScript/Typescript, CSS, HTML, Shell.

Developer Tools: Git, Sourcetree, Jira, Bitbucket, VS Code, Postman API, Dev Inspector.

Technologies/Frameworks: Django, Pytorch, Pyspark, VueJS, Sass, Bootstrap, JUnit, Pattern Lab, Npm, Yarn.