

Cristian Baldi

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Python, DevOps, Web Development

Education

University of Milano Bicocca

2018 - In progress

Master's Degree in Computer Science

- Thesis: Deployment of Python applications in the CERN Control Centre
- Electives: Advance Machine Learning, Data Analytics, Large Scale Data Management, Data & Text Mining, Probabilistic Models, Cloud Computing, Software Architecture

University of Milano Bicocca

2015 - 2018

Bachelor's Degree in Computer Science

- Final grade: 110/110 cum laude
- Thesis: Reinforcement Learning for Global Optimization

Experience

CERN

Mar. 2020 - Dec. 2020

Python DevOps Engineer - Technical Student

- Developed a tool to deploy Python applications in the CERN Control Centre
- Maintained and extended development tools and services for Python developers
- Implemented a solution for tracking Python usage inside the organization
- Supported users and developers on mailing lists and chat channels

2Program S.r.l

July 2017 - Feb. 2020

Frontend Web Developer

- Designed and implemented public websites focusing on SEO and best practices
- Developed interactive and responsive progressive web applications using Vue.js
- Maintained and expanded existing Laravel projects as requested by clients

Google Summer of Code @ KDE e.V.

May 2017 - Sept. 2017

Open Source Fullstack Web Developer

- Designed and developed a server-side rendered progressive web app with Vue.js
- Developed a backend service to interface with various APIs using Flask
- Implemented unit and end-to-end tests for the web app
- Containerized the web app and the backend service for usage with Docker

WikiToLearn, a KDE project

Dec. 2015 - Sept. 2017

Fullstack Developer and Open Source Contributor

- Planned the product and the architecture with other developers and sysadmins
- Developed themes and extensions for the Mediawiki platform
- Maintained and improved forks of existing open source projects

Skills

Python 3

- **Libraries** Flask, Pandas, Matplotlib, Pytest, Requests
- **Other** Virtual Environments, Package Management

DevOps

- **System Administration** Ubuntu, Debian, Arch Linux
- **General Tools** Docker, Ansible, Bash Scripting
- **Best Practices** Testing, CI/CD, Docs
- **Version Control** Git, Git Flow, GitLab, GitLab CI

Web Development

- **HTML5 & CSS3** Pug, Sass
- **Vue.js** Vuex, Server Side Rendering, Vuetify
- **JavaScript ES6 & Node.js** Socket.io, Axios, jQuery
- **PHP7** Laravel, Lumen, Mediawiki, Wordpress

Other

- **Databases** SQL, MongoDB
- **BigData** Elasticsearch, Kibana, Kafka, Faust
- **Other languages** Typescript, Java
- **Machine Learning** Supervised & Reinforcement

Personal Projects

HMM Text Corrector

Python, NumPy, Flask
Text corrector based on Hidden Markov Models with novel ideas to improve performance and accuracy.

album-splitter

Python, BeautifulSoup, ffmpeg
A script to automatically split a single-file Mp3 album into its tracks; Supports scraping metadata from Wikipedia.

Nikoro - a Telegram Chatbot Framework

Node.js
A framework for developing plugin-based chatbots, focusing on ease of use for plugins developers.

PlayStoreLinks_bot

Python, BeautifulSoup, Unit Testing
A bot for an online forum handling from 50 to 100 requests daily for more than 5 years.

Other

- **Speaker at Milano Digital Week** How do computers learn? March 2019
- **Speaker at unixMib** Hitchhiker's Guide to Web Development March 2019
- **Mentor for Google Summer of Code** KDE e.V Summer 2016
- **Mentor for Google Code-In** KDE e.V. Winter 2015 & 2016