

Cristian Baldi

cristian@baldi.me
github.com/crisbal

Python, DevOps, Web Development

Experience

- CERN**
Mar. 2020 - Dec. 2020
- Python DevOps Engineer**
- 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

Education

- University of Milano Bicocca**
2018 - 2021
- Master's Degree in Computer Science**
- Thesis: Deployment of Python Applications in the CERN Control Centre
 - Final grade: 110/110 cum laude
 - 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**
- Thesis: Reinforcement Learning for Global Optimization
 - Final grade: 110/110 cum laude

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