Bocchino Daniele

M.Sc Student - Computer Science | Cloud & Data Enthusiast

 LinkedIn | portfolio | GitHub | bocchino.daniele@gmail.com | 3311826439

Skills

- Python | Javascript | Java | Dart | Flutter | React | Flask | SQL | NoSQL | Git
- AWS | Cloud Computing | Machine Learning | Data Analysis | Web Development | Mobile Development
- Cloud Architecture | Frontend | Backend | Full-Stack | Italian, English

Experiences

Internship Trainee - Master's Degree   PhuseLab   **Milan, Italy**   *Nov. 2022 - Present*

- Evaluation and selection of optimal algorithms to address the problem of **Multi-Armed Bandits** in the real-world context of audiovisual attention, with emphasis on **Thompson's sampling algorithm**
- Implemented a machine learning model in Python using machine learning and data analysis libraries such as : **Pandas**, **Numpy**, **Scikit-learn**, **Pytorch**
- Balancing the hyper-parameters of the model for the training and testing phases to ensure the best distribution between exploration and exploitation taking into consideration the context and problem to a **Contextual-Multi-Armed-Bandits**

Freelancer Web & Mobile   **Italy**   *Jul. 2022 - Feb. 2023*

- Developed a mobile application CIUKA - Party Game using **Dart** on the framework **Flutter**, one of the best cross-platform mobile frameworks with over 24 thousand apps developed by 2022.
- Created a web application Lora Giusta with over 10 thousand views in 2022 for a bed and breakfast near Como increasing l number of customers by over 70%. The Application was realized with **Javascript**, **ReactJs**, **Node**, and the css framework **Bulma.**
- I Realized a graphically impactful web application My Portfolio to present myself and show who I am and my career in an alternative and detailed way. The web application was created with **Javascript**, **ReactJs**, and the css framework **Material UI.**

Research Collaborator - PRIN 2017   ISLab   **Milan, Italy**   *Aug. 2021 - Mar. 2022*

- Won the University of Milan competition to create a Medilett web application for the MIUR PRIN 2017 project funded by the Ministry of Education, University and Research (2019-2022) with the aim of creating a PROSOPOGRAPHIC ATLAS OF MEDIEVAL ROMAN LITERATURE
- The backend of the application was built with **Python**, specifically with **Flask,** to define the REST API. The front end was built in **ReactJs** with the help of the css framework **Chakra UI.** Finally, **Leaflet** was used to implement the geopositioning of literature. All information about literatures has been saved on **PostgreSQL DB.**

Research Collaborator - VAST   ISLab   **Milan, Italy**   *Jun. 2021 - Nov. 2021*

- Won the University of Milan competition to create a ISLab web application for the European Project VALUES ACROSS SPACE AND TIME (VAST).
- The backend of the application was built with **Python**, specifically with **Flask,** to define the REST API. The front end was built in **ReactJs** with the **CSS** and **Framer Motion.** Finally, the information about projects and team has been saved on **MongoDB.**

Internship Trainee - Bachelor's Degree   ISLab   **Milan, Italy**   *Sept. 2020 - Feb. 2021*

- I built a web application in **ReactJs** capable of analyzing text documents and highlighting verbs, adjectives, pronouns, etc.. The Backend, built in **Python** with **Flask**, constituted the REST API of the application and all Natural Language Processing (**NLP**) operations. These were processed by means of a library developed in-house by the lab capable of tokenization, segmentation and then performing text and sentiment analysis. The results were stored in a **NoSQL** database using **MongoDB.**

Projects

- **Cloud Gaming:** It's a project for the **Business Process Engineer** exam,it included analysis with **BPMN 2.0** and drafting an **AWS** architecture
- **BIP Challenge 2020:** It's a project for the **Business Intelligence System** exam,it consists of analysis on real-world scenarios of data mining with **Python**, **PM4PY** and **Disco**. The challenge is taken from the 2nd international Conference of Process Mining convened by the ICPM.

Education

Master's Degree of Computer Science   UniMi   **Milan, Italy**   Sept. 2021 - Jul. 2023

- *Advanced Biometrics | Affective Computing | Artificial Intelligence | Biometric Systems | Business Information Systems | Business Process Engineering | Intelligent Systems for Industry, Supply Chain and Environment | Multimedia Architectures | Natural Interaction | Privacy and Data Protection | Web Algorithmic*

Bachelor's Degree of Computer Science   UniMi   **Milan, Italy**   Sept. 2016 - Feb. 2021

- *Algorithms and Data Structures | Automata and Formal Languages | Computer Architecture I | Computer Architecture II | Computer Programming | Continuum Mathematics | Computer Networks | Cryptography I | Databases | Digital Marketing | Digital Products Law | Discrete Mathematics | Information Systems | Information & Transmission Theory | Mathematical Logic | Operating Systems | Security and Privacy | Software Engineering | Statistics and Data Analysis*

Certifications   Courses

- **AWS Certified Solutions Architect - Associate**   *Feb. 2023*   *Mar. 2023*   **IBM Data Science Professional Certificate**
- **AWS Certified Developer - Associate**   *Feb.2023*
- **AWS Certified Cloud Practitioner**   *Dec. 2022*
- **English language proficiency B2**   *Feb.2023*

Milan, April 29th, 2023

Recommendation Letter for Daniele Bocchino

To whom it may concern,

as Associate Professor of the Computer Science Department of University of Milan, I am very pleased to write this letter to recommend Daniele Bocchino for his valuable skills and inclinations.

I met Daniele after his Bachelor in Computer Science and I supervised his Research & Development activities within the H2020 VAST project and the PRIN2021 "Prosopography Atlas" project funded by the Italian Ministry of University and Research. In this framework, Daniele was in charge to design and develop web application tools for enabling scholars to annotate historical textual sources. Daniele realized smart and intuitive app interfaces, also with modules for effectively managing the insertion of geo-localized information.

Daniele is a serious and motivated researcher, capable to constantly and successfully reach the target by the deadline. I appreciated his solid background skills in Computer Science, with special emphasis on the web development skills, his marked aptitude to discussion and argumentation, and his ability to propose ideas and solutions by critically analyzing the application context and scenario.

In conclusion, due to his remarkable qualities and excellent capabilities, I strongly support Daniele and I would really appreciate your favorable consideration of his application.

Yours faithfully,

prof. Stefano Montanelli

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