

# Edoardo Cecchinato

Venice, Italy | edoardocecchinato.ec@gmail.com | [Website](#) | [GitHub](#) | [LinkedIn](#)

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## SKILLS

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**Programming:** C/C++, Python, Java, JavaScript, SQL.

**Other:** Git/GitHub, Flask, PostgreSQL, SQLite, SQLAlchemy, ReactJS, HTML, CSS/Bootstrap, Doxygen, Javadoc, Linux, Windows, VS Code, JetBrains Editors, Axure.

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## EDUCATION

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**Ca' Foscari University of Venice** | *Bachelor of Computer Science*

Venice, Italy | **09.2020 – Present**

**GPA: 3.6/4.0 – Expected Graduation: 2023**

**Relevant Courses:** Algorithms and Data Structures, Database Systems, Object-Oriented Programming (Java & C++), Operating Systems, Computer Networks, C++ Programming.

**Next Semester Courses:** Software Engineering, Security, Android App, Web Development, Data & Web Mining.

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## PROJECTS

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**Music WebApp** ([GitHub](#)) | *University project*

- Web app having music artists, which can upload songs, albums..., and listeners, which can like artists' items.
- Led a team of 3: organized meetings, delegated tasks, helped teammates... leading to a final grade of 100%.
- Project for the DB course: we used Python, Flask, SQLAlchemy, and PostgreSQL for the backend and we used HTML/CSS/JavaScript, Bootstrap, and Jinja for the frontend. I also familiarized myself with PyCharm IDE.
- Learned PostgreSQL in depth: defining schema, defining triggers, defining roles, and implementing security.
- Learned Flask & SQLAlchemy in depth: routes, login, forms, security, bcrypt, engine, session, tables.

**Image Processing Library** | *University project*

- Image processing library written in C++ in a group of 3 for my C++ programming University course.
- Implemented a class Tensor (3D matrix for image pixels) with some C++ operators like +, -, =, /, \*, ==...
- Implemented a class containing functions for images (Tensor): image brightening, grayscale, image blending, Andy Warhol effect, green-screen (chroma-key), image equalizer, convolution techniques (sharpen, edge, emboss, and smoothing filters).
- Familiarized with C++ Object Oriented programming, memory management, image processing, linear algebra, Makefile, Doxygen, Linux, Valgrind, Clion IDE.

**CryptoStats WebApp** ([Website](#)) ([GitHub](#)) | *Personal project*

- Frontend web app made with ReactJS, CSS, and CoinGeckoAPI displaying a list of top cryptocurrencies and coins' information. Deployed on Google Firebase.
- Familiarized myself with React components, Hooks (State/Effect), JSX, Chart.js, CSS modules, and APIs.

**Algorithms Visualizer** ([GitHub](#)) | *Personal project*

- Desktop app, made with Python and Tkinter, that shows how some algorithms work in runtime.
- Familiarized myself with Python, and Tkinter and implemented algorithms studied at my Data Structures and Algorithms University course.

**Other:** my portfolio [website](#), some university class materials, and some contributions are visible on [GitHub](#).

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## INTERESTS

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Reading, Competitive Programming, Chess, Jogging/Hiking.