

Maria Burlando

Web Developer & Designer



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: <https://www.algorithmnemesisis.com>



: <https://github.com/Mary62442>



: <https://www.npmjs.com/~mary62442>



: https://codepen.io/Ayra_Lux/



: https://dribbble.com/Ayra_Lux



: https://medium.com/@Ayra_Lux

Skype name: live:mary_62442

Nationality: Italian

Languages:

Italian (native)

English (native)

French (intermediary)

Frontend — 5 years experience

JavaScript, React.js, Angular, Next.js, Redux, TypeScript

Backend — 2 years experience

Node.js, Apollo, GraphQL

Database — 2 years experience

MongoDB, RedisDB, SQL Server, SQLite, MySQL

Design — 5 years experience

Procreate, SVG gsap animation, CSS3, SASS (SCSS), HTML5, Calligraphy, Figma

Cloud — 2 years experience

AWS, Azure, OpenShift, Dialogflow

Platforms — 4 years experience

GitHub, npm, Bitbucket, GIT

Text Editors — 5 years experience

Sublime Text, Visual Studio, Visual Studio Code, Atom, JSFiddle, CodePen, StackBlitz

Programs — 5 years experience

Photoshop, Procreate, Illustrator, DraftSight, AutoCAD

Work Experience

February 2021 - Current

UI/UX Engineer (Bitrock, Milan, Italy)

- Collaborated with UI/UX designers to define project prototypes before developing them.
- Quickly developed websites with strict deadlines, anticipating the delivery date.
- Joined in paired programming activities for internal company training.
- Took part in large scale projects using react-boilerplate and redux-saga to manage data flow.

Technologies: *React.js, Redux, Redux-saga, Redux-form, MaterialUI, GraphQL, SCSS.*

February 2020 - August 2020

Senior Frontend Developer (Publicis Sapient, Milan, Italy)

- Developed and delivered two projects that should have been delivered in 6 months in less than half the time.
- Successfully revised and finalized projects assigned mid development, and worked on a number of different tasks at once, speeding up the development process of each.
- Met with clients and management to discuss the needs and design of projects.
- Realized pixel perfect web pages from Figma designs with 100% attention to detail, using standard HTML/CSS practices both on desktop view and on mobile view.

Technologies: *React.js, Next.js, SCSS styled-components, KeystoneJS, Apollo, GraphQL.*

May 2019 - January 2020

Co-founder, Technical & Design Director (Algorithm Nemesis, Italy)

- Supervised and created the technical and design side of web applications and platforms required by clients, including UI/UX development.

- Designed, developed and branded an SPA for a medical events website with complete rewriting of a previous website that tripled the audience and usage statistics.
- Prototyped a dating web application using the new cutting edge technologies React.js, Apollo, GraphQL and MongoDB.

Technologies: Angular 8, CSS3 (Sass), Node.js, Express, MongoDB, Amazon EC2 instances. See prototype <https://oxyconf.algorithmnemesi.com>.

Feb 2019 - Apr 2019

Senior Web Developer (TCS consultant at Baker Hughes, Florence, Italy)

- Business interface for the research of GPS tracker providers that can supply geolocation trackers.
- Creation of a React application calling the provider's APIs in order to display on a map the current location of the intended machinery.
- Definition of logic in the future creation of smart contracts using the Ethereum network blockchain.
- Brainstorming and planning for the rewrite of a spare parts application with the definition of cutting edge technologies to be deployed in order to substitute the legacy tools currently in use.

Nov 2015 – Nov 2018

Web Developer and Designer (DM88 Limited, London, UK)

- Maintenance of the DM88 Limited's website. First release consisted of an MVC SPA which was then migrated to a React.js SPA integrating calls to backend AWS Lambda functions written in Node.js.
- Designed and developed the website using React.js version 16 coupled with Redux, and Angular 6.
- Completely responsive website and compatible with mobile view.
- Experience with data visualisation, jwt token validation using Node.js, serverless development with AWS Lambda functions and API Gateways, form submission with reCaptcha verification, and d3.js graph building.
- Created a login and register section hosted on an Amazon EC2 instance completely written in Node.js and communicating with a SQLite database, and a profile page with data stored in DynamoDB.

Technologies: MVC, .Net Core, SQL Server, Entity Framework Core, JQuery, Bootstrap, React.js, Angular 1 to 7, Node.js, ES6/7, CSS3, HTML5, AWS

June 2017 – Oct 2017

Web Developer and Designer (Outsourced consultancy at Reed Online, London, UK)

Prototyped four different layout solutions for the new release of Reed Online's web ecommerce shopping cart.

Technologies: Angular.js, HTML5, CSS3, JavaScript, Bootstrap, .Net Core, SQL Server, Azure

Jan 2015 – Mar 2015

Web Designer (Outsourced consultancy at Laya Healthcare, Cork, Ireland)

Participated in the design phase of the billing history for Laya Healthcare. A single page application written entirely in Angular.js and Bootstrap required the definition of the layout by prototyping desktop and mobile applications.

Technologies: Angular.js, HTML5, CSS3, JavaScript, Bootstrap

Personal Projects - Open Source

Creation of npm package for statistical Markovian calculation

Created an npm package in pure ES6/7 to solve the three problems of Hidden Markov Models: likelihood (Forward or Backward algorithm), decoding (Viterbi Algorithm), and learning (Baum-Welch algorithm). The project also features simple Markov Chains and the Bayes Theorem.

See <https://www.npmjs.com/package/mary-markov>.

Creation of company website and relevant case studies and prototypes

<https://www.algorithmnemesis.com>

<https://oxyconf.algorithmnemesis.com>

Education and studies

2017 - 2018 **In-depth study of Statistics in the field of Markov Chains and Hidden Markov Models**

2016 - 2017 **Advanced Pluralsight courses in JavaScript, CSS3 and HTML5**

2014 - 2017 **A-levels, David Game College, London, UK**

2013 - 2014 **GCSEs, Phoenix High School, London, UK**

2011 - 2013 **Art Gymnasium, Liceo Artistico Klee-Barabino, Genova, Italy**

Interests and Hobbies

Reading — Drawing — Writing stories — Playing the flute — Cross Training — Nature