

GianlucaGuarro

about

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github.com/lucaguarro
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programming

(1-10 proficiency)

C++ (9)

JavaScript (8)

VBA (8)

Python (4)

Mathematica (4)

PHP (3)

tools/SDKs

Microsoft Access, C++
Builder, QT,
Latex, HTML5, CSS3,
node.js, JQuery,
Angular 4, Ionic 2, git,
SQL, NoSQL

languages

English (native)
German (intermediate)
Italian (intermediate)

citizenship

USA
Italy

hobbies

Hackathons
Chess
Piano
Rockclimbing
Diving
Camping

Experience

7/16 - 1/18 **Software Analyst at ASCA Inc.**

Redondo Beach, CA

- Revamped company's bayesian network analysis software by increasing functionality and completely refacing the GUI using C++ and C++ Builder
- Performed tests and debugging assignments on company's multi-valued logic analysis and discrete simulation software to improve functionality and verify results
- Created and tested an intuitive VBA interface for a client to create, manage, and export to Excel, databases representing Event Sequence Diagram models for launch vehicle safety analysis.

6/15 - 8/15 **Physics Research Intern at University College Dublin**

Dublin, Ireland

- Researched and gave a presentation on the frustration properties of Artificial Spin Ice
- Modified proprietary code to run simulations of experiments from which I could extract necessary data from

Education

9/17 - Pres. **California State University, Long Beach**
Computer Science

Long Beach, California

9/12 - 7/16 **University of California, Santa Barbara**
B.S. in Physics

Santa Barbara, California

9/14 - 12/14 **UCEAP at Freie Universität Berlin**

Berlin, Germany

6/13 - 7/13 **UCLA Study Abroad**

Rimini, Italy

Projects

11/17 **Daily Bread**

- Web application that gives home bakers an advertisement space to sell their baked goods to the public.
- Won Best Hack at HackReactor Hackathon in Santa Monica.
- Tools used: MySQL, Angular 4+, Typescript/Javascript, HTML, CSS

4/17 **Twitter Fact Check**

- Chrome extension that detects political tweets and uses the tweets themselves as search queries to the Guardian to display a list of links to related articles directly inside of the tweet.
- Tools used: Javascript, Guardian Web API, Chrome API, HTML, CSS

3/17

Playlistant

- Web application that allows users to create and modify playlists in their Spotify accounts' libraries very quickly.
- Tools used: Angular 4, Typescript/Javascript, Spotify Web API, HTML, CSS

1/17

Peek

- Chrome extension that allows the user to preview all the tabs of the current window in three different nicely formatted views making it both quicker and more convenient to navigate tabs.
- Tools used: Javascript, Chrome Tabs API, HTML, CSS

Honors

4/12

Eagle Scout in the Boy Scouts of America

Torrance, California

- For my eagle scout project, I designed a light-weight greenhouse and organized and coordinated the work of a team of volunteers for its construction. The greenhouse was donated to my highschool.