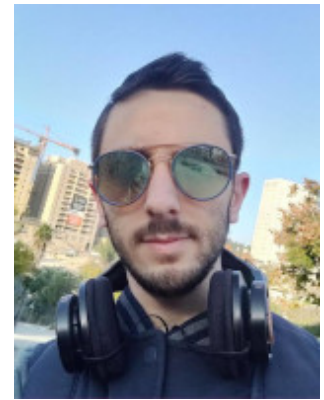


Abraham Murciano

Software Engineer



Personal Information

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About Me

Passionate software engineer, full stack web developer, and IT technician offering 6 years of programming, maintenance, troubleshooting and repair experience combined with an aptitude for quickly adopting new skills. Hard-working and thorough with a passion for learning and gaining more experience in this field.

Skills

Programming	C/C++, Python, C#, Java, PHP, JavaScript, SQL, Prolog, Bash, Agena, L ^A T _E X
UI Design	HTML, CSS, WPF, XAML
Databases	MySQL, Oracle, PostgreSQL, SQLite
Other	Linux, Object Oriented Programming, Agile, Git, Threading, Graphic Design

Professional Experience

2015–2018	Full Stack Web Developer – Freelance Designed sites to be compatible with top browsers, including Chrome, Firefox, and Safari, both on desktop and mobile . Used various technologies, including object oriented programming, PHP, JavaScript, and SQL to obtain optimal performance in websites. Created site layout and user interface using HTML and CSS practices. Hands-on experience using Linux and Apache web servers.
Summer 2018	Computer Technician – PC Clinic, Gibraltar Systematically troubleshooted malfunctioning systems to identify and solve the problem. Demonstrated professionalism and courtesy with customers while working to resolve complaints, problems or respond to questions. Removed and replaced malfunctioning components to correct hardware problems.
2019–2021	Computer Science Tutor – Freelance Taught less capable classmates and students from younger years material from various courses. Demonstrated good communication skills in getting complex concepts and ideas across.

Education

2018–Present	BSc in Computer Science, Jerusalem College of Technology, Israel. Expected October 2021. Current GPA 89%
2011–2017	Gibraltar Boys Secondary School, Gibraltar. English: A*, Spanish: A*, Mathematics: A*, ICT: A*, Advanced Science: A, Science: A, Hebrew: A, Judaism: A

Notable Open Source Projects

JCT Discord Bot	<p>A Discord bot to manage the Discord server of the English Speaking Program at JCT</p> <p>Co-manged team of eight student volunteers.</p> <p>Taught the less experienced team members to properly use Git.</p> <p>Applied many object oriented principles.</p> <p>Applied many python programming paradigms.</p> <p>Designed and created a PosgreSQL database for the project.</p> <p>Designed a very modular structure to ensure very loose coupling between different features of the project.</p> <p>https://github.com/DenverCoder1/jct-discord-bot</p>
rey-trace	<p>Created a ray-tracing graphics engine in Java designed to produce realistic images given the description of a scene.</p> <p>Implemented a multi-threaded solution for optimal performance.</p> <p>Practised working in an Agile environment.</p> <p>https://github.com/abrahammurciano/rey-trace</p>
Jack Compiler	<p>A compiler for the educational object-based language Jack.</p> <p>Wrote a multi-tier compiler from Jack to an intermediate language, then to assembly.</p> <p>https://github.com/abrahammurciano/jack2hack</p>
S Interpreter	<p>Wrote an interpreter for the educational Turing-machine-like language S.</p> <p>https://github.com/abrahammurciano/s-interpreter</p>

Languages

English	Fluent
Spanish	Fluent
Hebrew	Basic