




I'm a **front-end web developer** based in Lebanon with 3+ years of experience building responsive, fast and maintainable user interfaces for the web. Shoot me an email at chafic.najjar@gmail.com if you're looking for a remote front-end developer.

Experience



- Dec. 2017 - Present (8 months) **Founder**  [MOTIONCOMICS.IO](https://motioncomics.io).
motioncomics.io is a website for comic book artists to create stunning and engaging motion comics for the web.
- Feb. 2015 - Present (3 years 6 months) **Freelance Front-End Developer**  [GRADLE INC.](https://gradle.com), [CODE FOR AFRICA](https://codeforafrica.org), [TEENSWHOCODE](https://teenswhocode.com), [IDEATOLIFE](https://ideatolife.com).
 - Helped build the user interface of the [TeensWhoCode learning platform](https://teenswhocode.com).
 - Worked on the implementation and maintenance of gradle.com and gradle.org — the web properties of Gradle Inc.
 - Built the open source tool [Doppler Maps](https://dopplermaps.com) — a library to create choropleth maps for the web.
 - Built the data visualization dashboard of [Inbsr.org](https://inbsr.org) — a web application to consolidate data on bariatric surgery across Lebanon.
 - Built the portfolio website edsab.com of a product designer based in Paris.
 - Built the user interface of elevatorexpress.com — an online meeting point for professionals and companies in the elevator industry.
- Jul. 2014 - Aug. 2014 (2 months) **Graphics Programmer Intern**  [CCT INTERNATIONAL](https://cctinternational.com), Beirut, Lebanon.

I worked with another intern on a web-based prototype of the BIM-based construction project control application [C3D Interactive](https://c3dinteractive.com):
 - I built a responsive web interface with resizable and dockable interface components.
 - I wrote a parser in Java to extract 3D model data from a proprietary file format and rendered that data using WebGL.
 - I wrote vertex and fragment shaders in GLSL and implemented a first-person camera that can move and rotate in any direction.



Skills

- Languages Proficient in **HTML, CSS, JavaScript (ES5, ES6)** • Familiar with **SVG, Bash, SQL, GLSL, ETeX**.
- Front-End Experienced with **React, MDC Web, D3.js** • Familiar with **WebGL, jQuery, reveal.js**.
- Front-End Tooling Experienced with **Sass, npm, gulp, Babel, Browserify, ESLint, stylelint, Jekyll** • Familiar with **webpack, Grunt**.
- Back-End Experienced with **Express** • Familiar with **Node.js, Passport, PostgreSQL, Sequelize**.
- Operating Systems Experienced with **Arch Linux** where I use **Git + hub + myrepos + ghi, GnuPG, SSH, Neovim, i3, Zsh, ngrok, Ag, fd, pgcli**.
- SaaS Tools Experienced with **GitHub, Heroku, AWS S3** • Familiar with **Cloudflare, Google Analytics, SendGrid, Paddle**.

Education

- 2012 - 2015 **B.S. in Computer Science**  [Lebanese American University \(LAU\)](https://launiversity.edu), Byblos, Lebanon.
 - Took part in the [MEPI Tomorrow's Leaders](https://mepi.org) program (2012 - 2015) and studied at [Wayne State University](https://wayne.edu) in Detroit (Summer 2013).
 - President (2013 - 2014), web developer (2012 - 2013) and member (2012 - 2015) of the [Association for Computing Machinery](https://associationforcomputingmachinery.com) club.
 - Volunteer at the [Lebanese Red Cross](https://lebaneseredcross.org), Youth Department (2014 - 2015).
- 2009 - 2012 **French Scientific Baccalaureate**  [Lycée Alphonse de Lamartine](https://lycee-almartine.com), Tripoli, Lebanon.
 - Specialized in Mathematics and graduated with high honors.
- 2015 Online courses: [Intermediate D3 for Data Visualization](https://knightcenter.org) (Knight Center for Journalism in the Americas), [Data Visualization](https://coursera.org) (Coursera).

Projects

- OPEN SOURCE  **Gaia** • *C++, GLSL, Lua, OpenGL, SDL*.
Procedurally generated 3D planet rendered by applying the 3D simplex noise method on an icosphere mesh.
- OPEN SOURCE  **21st Century Pong** and **21st Century Tetris** • *C++, SDL*.
Pong and Tetris clones for Linux with smooth gameplay, audio and game controller support.

Activities & Awards

- 2018 MDN Web Docs [contributor](https://mdn.com) and ArchWiki [contributor](https://archwiki.org).
- Fall 2015, Fall 2016 Selected data visualization developer at [Data4Change 2015](https://data4change.org) and [2016](https://data4change.org) — 5-day workshops organized by [Small Media](https://smallmedia.com).
- Summer 2016 Gave the talk [Data Visualization for the Web with D3.js](https://data4change.org) at the third meetup of [MENA Devs](https://mena-devs.com) in Beirut, Lebanon.
- Summer 2012 **2nd place winner** 🏆 (15% scholarship + iPod Touch) of the [Computer Science Summer Institute](https://computer-science-summer-institute.com) at LAU.
- Summer 2011 **2nd place winner** 🏆 (\$2000) of the [Google-sponsored CS4HS contest](https://google.com) at the University of Balamand.

Languages

- English ★★★★★☆ Full professional proficiency.
- French ★★★★★☆ Professional working proficiency.
- Arabic ★★☆☆☆☆ Limited professional proficiency.