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| Jonathan Chu | Image result for email icon | [jonathanchu78.github.io](https://jonathanchu78.github.io/)  (916) 751-8354  jonathanchu78@gmail.com | Image result for facebook icon blackImage result for linkedin icon blackImage result for github icon black | ­­  [jonathanchu78](https://github.com/jonathanchu78)  [my profile](https://www.facebook.com/jonathan.chu.902)  [my profile](https://www.linkedin.com/in/jonathan-chu-662194b4/) |

**Skills**  .

* **Languages**: C++, C, HTML & CSS (comfortable) // Python, Lua, Verilog, Octave (familiar)
* **Tools + Frameworks**: Linux, Vim, Bootstrap, Illustrator (comfortable) // Arduino, Git, LaTeX (familiar)

**Education .**

**University of California, Los Angeles**  **Expected June 2020** B.S. Computer Science & Engineering

* 3.80 GPA
* Digital Logic Design, Data Structures & Algorithms, Computer Organization, Software Const. Lab, Operating Systems

**Granite Bay High School**  **August 2012 - May 2016**

* Academics: [Valedictorian Speech](https://www.youtube.com/watch?v=a5uqNhfNHL8), International Baccalaureate Diploma, Weighted/Non Weighted GPA: 4.63/4.00

**Coursera** **December 2017 – February 2018**

Machine Learning - covered Linear & Logistic Regression, Neural Networks, Gradient Descent, and other tools

**Experience .**

**Software Developer** -BuildUCLA| [GitHub](https://github.com/UCLALibrary/CC-ing) **July 2017 – Present**

Past Project: [Community Cataloging](http://babylon.library.ucla.edu/ccing/) - Ruby on Rails app for UCLA library to catalog books given images of cover pages with Scribe API (primary interface), Tesseract OCR, a Django Image Uploader, and a Mongo Database

* Used python scripting to crop images to specified dimensions & send data from ScribeAPI to OCR in order to automate the process of taking relevant data (title, author, etc.) from images

**Web Developer** - Poasis**April 2017 – June 2017**

Project: Website for parking sharing company that connects drivers with owners of parking spaces

* Implemented client-side logic using PHP & SQL in new webpage to connect Apartment owners to drivers

**Graphic Design Chair & AV/Technology Chair** - Circle K International **March 2017 - Present**

* Built website from ground up using HTML/CSS & Bootstrap library & handled all technical aspects for large event
* Designed graphics to advertise events and establish club branding using Adobe Illustrator & Photoshop
* Worked closely with a diverse range of committees and delegated tasks to my own committee members

**Graphics Contributor** -Daily Bruin  **January 2017 – June 2017**

* Designed infographics for the award-winning campus newspaper using Adobe Illustrator

**Projects .**

**Spellbreakers (Dota 2 mod) –** *Lua |* [GitHub](https://github.com/jonathanchu78/dota-sbhacks)

* Implemented new game mode where players face off in a spelling challenge + more features/modifications
* Used Dota 2 mod API written in Lua at **SB Hacks 2018**

**Website for Fall Training Conference 2017 –** *HTML, CSS |* <ftc.cnhcirclek.org> | [GitHub](https://github.com/jonathanchu78/FTC-2017)

* Built website for an event with 700 attendees from CA, NV, and HI following event theme and graphic standards
* Actively maintained and updated site with new information as necessary leading up to the event & after

**Mesh –** *HTML, CSS, JavaScript* | [jonathanchu78.github.io/Mesh](https://jonathanchu78.github.io/Mesh/) | [GitHub](https://github.com/jonathanchu78/Mesh)

* Developed an event schedule web app at **LA Hacks 2017** meant to replace paper pamphlets at large-scale events
* Provides a template for large event organizers to upload event info/details for attendee access

**Game Website –** *HTML, CSS, JavaScript* | [jonathanchu78.github.io/Games](https://jonathanchu78.github.io/Games/) | [GitHub](https://github.com/jonathanchu78/Games)

* Built a website with multiple JavaScript browser games at a small-scale hackathon

*Community Service*: 300+ hours cumulative

*Hobbies/Interests:* Machine Learning, Web Development, Graphic Design, UI/UX, Speedcubing, Classical Music/Piano