Dickson Lau

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SKILLS

- **Languages:** Ruby, JavaScript, HTML , CSS, MATLAB, Python, C++
- **Databases:** PostgreSQL, MongoDB, Firebase
- **Tools:** Rails, Reacts.js, JQuery, Git, Bootstrap / Foundation, RSpec, Capybara, Adobe Photoshop
- **Interests:** Photography, Electronics, 3D printing / CNC, Design

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EDUCATION

Boston University College of Engineering – Boston, MA   *Sept 2010 – May 2014*
Bachelor of Science in Biomedical Engineering, Concentration in Nanotechnology

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EXPERIENCE

Frontend Developer Internship – Amalgam Co – Boston, MA   *June 2016 – Present*
- Build websites to express brands, products, and digital experiences
- Translate full websites from pdf using HTML/CSS/Javascript
- Adhere to git workflow while handling multiple projects for different clients

Jr Full Stack Developer – Launch Academy – Boston, MA   *Feb 2016 – May 2016*
- Built various small web applications with Ruby on Rails
- Employed modern day paradigms: AGILE development, MVC design, test-driven development, and pair programming
- Collaborated with 40 other apprentices during a 10 week coding experience

Research Engineer - Cambrian Innovation – South Boston, MA   *May 2015 – Dec 2015*
- Designed, constructed, and tested prototype designs for a phase II project before approval for manufacturing design
- Built and tested MPPC circuits under lead electronics engineer
- Researched microbial fuel cells (MFC) and their applications to treating wastewater

Student Researcher – BU Biomedical Optics Lab – Boston, MA   *Sept 2013 – May 2014*
- Experimented and tested methods that will recognize cancerous cells in a high-throughput manner
- Designed system to measure the light scattering off of cells
- Drafted many prototype designs using SolidWorks during preliminary phase
- Produced many in-house components of final product, effectively staying under budget

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SELECTED PROJECTS

flix // chill: flix-chill.herokuapp.com
- An app which allows users to connect to other users based on similar TV shows that they've watched using omdb API
- Rails/Haml/SCSS/Foundation/JQuery/PostgreSQL

elevader: elevader.herokuapp.com
- A yelp-like website where users can review elevators of Boston
- Rails/HTML/SCSS /Foundation/JQuery/PostgreSQL

Great Chow: greatchow.herokuapp.com
- Website for Great Chow restaurant located in Abington, MA and Quincy Wollaston, MA
- Rails/Haml/SCSS/JQuery/Materialize