

JJ LUMAGBAS

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Edinburg, Texas, USA

jjlumagbas.com

Front End Web Development
Interactive Data Visualizations

SKILLS

Web core **HTML, CSS, JavaScript ES6**
Front-end JS frameworks **VueJS, Svelte**
Data visualization **D3.js, Vega, Vega-Lite**
Build tools/transpilers **NPM, Webpack, Babel, PostCSS**
CSS pre-processors/frameworks **SASS, Bulma, Bootstrap**
Templating **JSX, Nunjucks, Liquid**
Version control **Git, Github, Bitbucket**
Databases **MongoDB, SQL (Oracle, MySQL, PostgreSQL)**
Responsive web design **Grid, Flexbox**
Programming Languages **Python, Java, C++**

EDUCATION

Master of Information Systems

University of Melbourne 2014

- Coursework: Interaction Design and Usability, Process Modelling Analysis and Design, Knowledge Management Systems

Bachelor of Science in Computer Science

University of the Philippines 2005

PROFESSIONAL COMMUNITY

UX Melbourne uxmelbourne.org 2014

- Organized meetups, moderated discussions

AWARDS AND HONORS

Dean's Honours List Computing and Information Systems, Melbourne School of Engineering
University of Melbourne 2014

Australia Awards Scholarship Department of Foreign Affairs and Trade (DFAT), Australia 2013

Science and Engineering Institute Undergraduate Scholarship Department of Science and Technology, Philippines 2001

PROFESSIONAL EXPERIENCE

Front End Developer (Remote / Contractor)

Scaling Science Project, MIT Media Lab 2019-present

- Front-end web development (VueJS) to enable interaction with machine learning models on a graph-based data set, including interactive control inputs to encourage dynamic exploration of results
- Developed interactive visualizations using D3.js for internal research team use

Product Manager (Remote / Contractor)

Quality People 2018-2019

- Product-managed 3 separate front-ends interfacing with a single backend, built on a MERN stack deployed on AWS through CircleCI
- With VP Product, mocked-up, spec'd-out, and oversaw development and successful rollout of a set of features involving major changes to data and interaction models, significantly broadening target customer set
- Recruited and managed offshore developers to replace original dev team for Quality People

Lecturer (Part-time) Department of Computer Science

University of Texas RGV 2018-2019

- Teaching: Introduction to Computer Science (C++)

Assistant Professor Department of Computer Science

University of the Philippines 2009-2017

- Teaching: Programming Languages, Object-oriented Design, Intro to Functional Programming
- Consistently rated Excellent in course evaluations

Full-stack Web Developer Azeus Systems 2005-2009

- Developed web applications for Hong Kong government agencies: e.g. works order management for Public Works, license plate registrations for Transport Department (Java stack: Spring, Hibernate ORM, Oracle DB)
- Conducted DB query optimization to improve performance of reports generation for large financial transaction data sets