

EDUCATION

B.S. Computer Science, Georgia Institute of Technology *Aug. 2015 - Dec. 2019*

- Concentration: Information Internetworks (major GPA: 4.0/4.0, cumulative GPA: 3.97/4.0)
- Minor in Physics (GPA: 3.8/4.0, paper: <https://galmungral.github.io/physics>)

EXPERIENCE

JavaScript Developer, Etude (Student Startup) *Sep. 2019 - Present*

- Implemented non-contiguous text highlighting and table of contents parsing on top of PDF.js.
- Fixed hidden race condition between PDF rendering and background computations.

Front-end Developer Intern, PegasusCRM *Jan. 2018 - May. 2018*

- Slimmed down front-end code by reimplementing core features of DataTables (jQuery) in Vue.js.
- Translated UI designs into Laravel Blade templates, SCSS/CSS and JavaScript.
- Helped debug back-end PHP code and fix minor issues on production server through SSH.

SOFTWARE PROJECTS

OpenEval (*Junior Design*) *Midterm course survey* *Aug. - Nov. 2019*

- Developed back-end Express routes and front-end Angular services for all main features.
- Designed MongoDB schemas and TypeScript interfaces for the data models.
- Integrated Georgia Tech Login Service (CAS), Georgia Tech's Canvas LMS API and LDAP service.
- Created Angular components using Salesforce Lightning Design System and D3.js.

galmungral.github.io *Web proxy and multiplexer* *Jul. 2019*

- Designed and implemented (in Node.js) a proxy that maps TCP ports to URL path prefixes so that multiple independent websites can be bundled together and served on a single port.
- Crafted the home page in plain HTML/CSS/JavaScript.

SitBit (*Proof of Concept*) *Sitting time recorder* *Jan. 2019*

- Utilized Core Motion on iOS and sensor framework on Android to detect vertical movements.
- Embedded in WebView a data-driven SVG calendar heatmap created using D3.js.

TwoFactor (*Proof of Concept*) *Two-factor authentication system* *Feb. 2019*

- Set up push notifications using Firebase Cloud Messaging and Apple Push Notification service.
- Used Socket.IO to notify the browser when user confirms login on the mobile app.

Werkestacion *File explorer/editor built with Electron, React and styled-components* *Jul. 2019***Todo** *To-do list apps built with SwiftUI, UIKit, React Native, NativeScript and Flutter* *Jun. 2019***WebSocketServer** *A Node.js implementation of the WebSocket protocol* *May. 2018***WebREPL** *Web-based Python interactive shell with a Node.js back end* *Apr. 2018***MARTA** (*Course Project*) *SPA built with React-Bootstrap, Redux, Express and MySQL* *Oct. 2017*TECHNICAL SKILLS

Proficient: TypeScript/JavaScript, SCSS/CSS, HTML, Git, Bash, Vim**Familiar:** Node.js, Express, React, Angular, Vue.js, RxJS, Redux, jQuery, Bootstrap, SQL, MongoDB**Used:** Lisp, C, C++, C#, Objective-C, Swift, Java, Kotlin, Dart, Go/Golang, Python, PHP