

# JUAN SERGIO BUENVIAJE

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## EDUCATION

### University of Notre Dame • 3.51/4.00 GPA

- Pursuing BS in Computer Science, Minor in Innovation & Entrepreneurship
- Relevant Coursework:** Data Structures, Systems Programming, Logic Design, Fundamentals of Computing, Discrete Mathematics, Linear Algebra & Differential Equations

May 2022

South Bend, IN

### Philippine Science High School - Main Campus • 3.84/4.00 GPA

- Class Rank: 28/221 | Dean's List | Graduated Magna Cum Laude
- Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Client-Side Web Development, Embedded Systems & Program Design, STEM Research

Jun 2018

Manila, Philippines

## WORK EXPERIENCE

### Media Software Engineer Intern • CBS Corporation

- Standardized end-to-end broadcast distribution configurations (codecs) for entire East Coast feed
- Completed 27 international purchase requests using database queries totaling \$132,930 in profit
- Assisted in cloud-based content compute, storage and monitoring for day-to-day operations
- Technologies:** C++, XML, SQL Server, AWS (EC2, S3, Glacier, CloudWatch), AutoCAD

Summer 2019

New York, NY

### Full Stack Software Engineer Intern • IDEA Center (ideacenter.nd.edu)

- Developed e-commerce web app with Shopify API through Pair Programming to be used by startup
- Will work with IDEA Center startups to develop full-stack web apps and APIs in Agile Environment
- Technologies:** JavaScript, React, Next, GraphQL, Apollo, Node, Express, Gatsby, Python, SCSS, Git

Spring 2020

South Bend, IN

### Chief Technology Officer • DeLive Aerial System, LLC (delivedrones.com)

- Exhibited in CES 2020, secured \$20k funding, accelerator invitation and pitch to \$100M VC fund
- Solely developed front-end of web app and will integrate with Node + Flask backend through Parse
- Developing RESTful API, and will integrate with drone GCS and NoSQL database in Agile Environment
- Technologies:** JavaScript, React, Node, Python, Flask, MongoDB, AWS (EB, IoT), SCSS, Bootstrap, Git

Oct 2019 – Present

South Bend, IN

### Lead Software Engineer • Tembo AI, LLC (tembo.ai)

- Solely developed full-stack SSR web app and messaging mobile apps to be used in alpha testing
- Solely developed indoor location triangulation mobile tracker resulting in \$11.5k funding
- Technologies:** JavaScript, React, Next, Node, Express, Now, SCSS, Bootstrap, Python, RPi, Flutter, Git

Jan 2019 – Jan 2020

South Bend, IN

### Lead Software Engineer • Gāshawk Incorporated (gāshawk.com)

- Solely developed touchscreen GUI + LiDAR collision detection system resulting in accelerator invite
- Currently solely developing static landing page leveraging modern technologies to be used by startup
- Technologies:** C++, Arduino, GraphQL, Netlify, styled-components, Javascript, React, Gatsby, Git

Jan 2019 – Jan 2020

South Bend, IN

### Lead Software Engineer • Foreager, LLC (foreager.com)

- Solely developed peer-to-peer golf rental mobile apps resulting in venture competition semifinals
- Assisted in developing front-end of prototype e-commerce website
- Technologies:** Flutter, Firebase, Heroku, JavaScript, jQuery, SCSS, Bootstrap

Jan 2019 – Aug 2019

Townsend, MA

### Founder, CEO, Lead Developer • Munti LLC

- Secured \$2.5k funding to develop full-stack web and mobile apps for student startup recruitment
- Led software freelance company and built products for startups and small businesses year-round

Feb 2019 – Present

South Bend, IN

### Technology Track Head • YouthHack Incorporated (youthhack.net)

- Organized national hackathon and 10-week incubator program for 9 early-stage startups
- Created and taught 4-hr workshops for web development to collegiate students and professionals

Mar 2017 – Jul 2018

Manila, Philippines

## TECHNICAL SKILLS

### Programming & Related

- General:** JavaScript ES6, C/C++, Python, Java, Golang
- Web:** React (Next, Gatsby, Material-UI), Flask, HTML (DOM), CSS (Sass/SCSS, styled-components, Bootstrap, Tailwind, Bulma), jQuery, AJAX, JSON, XML
- APIs & SDKs:** Node, Express, Google Maps, Mapbox (OpenStreetMap), Mailchimp, Shopify (Polaris), Parse Server, Formspre, EmailJS, Google Analytics
- Mobile:** Flutter (DART), React Native
- Embedded:** Arduino, Raspberry Pi, Verilog, Intel Galileo

- Databases & Deployment:** PostgreSQL, SQL Server, AWS, MongoDB, Firebase, Heroku, Netlify, ZEIT Now, GraphQL, Apollo
- Other:** MATLAB, Git, UNIX/Linux, Kali Linux, Agile (SCRUM), PWA

### Design & Related

- 3D Modeling:** AutoCAD, Fusion 360, SOLIDWORKS
- Circuit Fabrication:** Fritzing, Eagle
- Digital Media:** Illustrator