# Nicholas Dullam

**Development Lead**

(336)-706-6095
npdullam@gmail.com
https://www.ndullam.com

## Awards & Honors

**Presidential Scholarship,** Purdue
University, 2019 - Present

**Dean's List & Semester Honors,** Purdue
University, 2019 - Present

## Skills

### Languages

| | |
|---|---|
| Javascript | Python |
| C++ | Java |
| C | R |

### Dependencies & Frameworks

| | |
|---|---|
| React.js | Express.js |
| Node.js | JWT |
| Stripe | SciPy |
| Pandas | NumPy |

### Databases

| | |
|---|---|
| MongoDB | SQL |
| Redis | GraphQL |

### Platforms & Software

| | |
|---|---|
| Heroku | Figma |
| AWS | AWS |
| S3 | |

## Education

**Purdue University, West Lafayette, IN**

Bachelor of Science in Computer Science,
Data Science, and Applied Statistics
[conc. Machine Intelligence], May 2023

Certificate of Entrepreneurship, May 2023

**National University of Singapore,
Singapore**

Study Abroad, Jan. 2022 - May 2022

## Experience

May 2020 - Present, **Development Lead**,
Sustainably, Remote

- Facilitated the full-stack (MERN) development of the SaaS Web App, Sustainably
- Created and managed a documented backend REST API for custom authentication and microservices
- Developed scalable database schema through MongoDB
- Designed and implemented user-forward in-app experiences
- Fabricated custom acquisition, checkout, and subscription management through the Stripe API
- Managed pull requests and version control of a GitHub Organization

May 2022 - Aug. 2022, **Software Engineer Intern**,
Visa, Highlands Ranch, CO

- Contributed to the VIP middleware department's migration to GCC 7
- Resolved ~800 errors/warnings in the middleware production codebase spanning >140 programs
- Fixed 96% of critical errors (in 3 months) found at compile time
- Developed effective and scalable C++ solutions for compile-time resolutions
- Adjusted and implemented an MQ functional entry for use in production configs
- Logged and documented production code changes over six work efforts
- Contributed to testing documentation, using VPARS, VM3, and PARSEM
- Wrote, tested, and loaded code in a TPF production environment
- Worked alongside SMEs for affected programs to configure test plans and review code changes
- Maintained communication among senior development and SMEs for ongoing solutions
- Presented work and findings to department leadership

Aug. 2016. - Mar. 2018, **VP of Engineering**,
Communicode, Westfield, IN

- Designed profile preference generation and weighting procedures
- Researched and developed a K-nearest neighbors based matching algorithm using Python
- Oversaw development of publish and subscribe methods with GCS