

Software Engineer
Dan-Luk.com

DAN LUK

(614) 546-8412
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EDUCATION

The Ohio State University	2002 - 2008
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- M.S.E. in Aeronautical/Aerospace Engineering, Dec. 2008.
- B.S.E. in Aeronautical/Aerospace Engineering, May, 2006
- Relevant Coursework and Technologies: Numerical Methods, MatLab, Fortran, Version Control, Linux

The Ohio State University	Graduate Researcher	2006 - 2008
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- Published M.S.E. thesis on Computational Fluid Dynamics Analysis Over Turbine Blades.
- Deployed legacy Fortran code to implement numerical analysis and data structures.

Certification: Full Stack Developer professional certification

Technologies

- JavaScript:
 - React / Redux
 - Node.js
 - Express.js
- HTML/CSS
- SQL/PostgreSQL
- C, C++, Python

Competencies

- Web applications
- Rest API
- Git & GitHub
- Test-driven development
- Data Structures
- Algorithms
- Big O Time & Space

Concepts

- Development lifecycles
- Agile Methodology
- Design patterns:
 - Façade
 - Builder
 - MVC

Technical project: eCommerce store project (2023)

- Features: Inventory populated with database; Shopping Cart sidebar; Purchase via Stripe API.
- Model View Controller design pattern. Implemented custom react hooks.

EMPLOYMENT

Pastor	Reliant	2009 -2022
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Leadership Team

- Cultivated donor relationships, resulting in over \$1.2M in donations for organization's operational budget.
- Launched excel database to maximize employee engagement with guests.
- Launched a new branch at another campus and added 50 new members to our organization
- Recruited, trained, and evaluated 40+ leaders in facilitating community groups to promote increased retention.

SKILLS

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|----------------------------|---|--------------------------------------|
| • Enthusiastic Learner | ⚡ | Providing critical feedback |
| • Organizational strategy | ⚡ | Collaboration (team-first mentality) |
| • Delegates responsibility | ⚡ | Creative problem solver |
| • Public speaking | ⚡ | End user focused |