Software Engineer
ender1311.github.io

DAN LUK

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EDUCATION

Columbus, OH **The Ohio State University** **2002 - 2008**

- M.S.E. in Aeronautical/Aerospace Engineering, Dec. 2008.
- B.S.E. in Aeronautical/Aerospace Engineering, May, 2006
- Revelant Coursework and Technologies: Numerical Methods, MatLab, Fortran, Version Control, Linux

Graduate Researcher **The Ohio State University** **2006 - 2008**

- Published M.S.E. thesis on Computational Fluid Dynamics analysis of heat flux over turbine blades through collaboration with three faculty members.
- Deployed legacy Fortran code which implemented numerical analysis and data structures for compute in order to show accuracy of CFD analysis.

Full Stack Developer professional certification

Technologies

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

Comptencies

- ∉ 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: shopping cart, add/remove buttons, purchase via stripe.
- Organized components of code through react hooks. Easy debugging through TypeScript.

EMPLOYMENT

Pastor **Reliant** **2009 -2022**
Leadership Team

- Promoted to pastor of church after sucessfully launching church at Indiana Universty with 50 members
- Cultivated relationships with donors, resulting in over $1.2 million in donations to organizational operating and staffing budget.
- Activated network of donors through customer relation database management systems.
- Launched excel database to maximize employee engagement with guests.
- Leveraged FB and IG to increase guest visits via targeted ads.
- Launched a new branch at another campus and added 30 new members to our organization
- Recruited, trained, and evaluated 40+ leaders in facilitating community groups in providing community connection for members

SKILLS

- Self-management
- Supervision
- Providing critical feedback
- Organizational strategy
- Creates training content
- Negotiations
- Work myself out of roles
- Delegates responsibility
- Public speaking

Skills

- ∉ Bias to Action
- ∉ Collaboration (team-first mentality)
- ∉ Creative problem solver
- ∉ Innovation and change mangement
- ∉ Professional cooperation/ collaboration
- ∉ Relationship building
- ∉ Conflict resolution
- ∉ End user focused