

DAN LUK

(614) 546-8412
danluk1311@gmail.com

TECHNICAL EXPERTISE

Projects

- **eCommerce store project (2023)**. Platform presents products available for purchase with great UX design. Added features: shopping cart, add/remove buttons, purchase via stripe. Applied knowledge of JS, React, and Node. Learned how to use react hooks to create code that is easy for humans to read/maintain.
- **Chinese TakeOut (2023)**. Created using React. Implemented search bar feature to narrow down options.
- **Minion Manager app (2023)**. Fictional database system based on minions characters for keeping track of all your workers.

Languages and Technologies and Skills

- JavaScript, React library, HTML, CSS, Python, C++, C, Fortran.
- Node.js, Express.js, SQL, PostgreSQL, Postman, Excel.
- Visual Studio, Git & GitHub.
- Test-driven development, data structures, algorithms.

EMPLOYMENT

Pastor (2022)	Reliant	2009 -2022
Leadership Development (2012-2022)		

- Raised over 1 million dollars for non-profit ministry enabling two new churches to be established.
- Pioneered launch of churches that grew to 500 in size.
- Trained over 40 group leaders to host and develop their groups facilitating steady growth of the organization.
- Guided dozens of staff members through StrengthsFinder assessment. This enabled each person to advocate for themselves to end up in roles where they are much more effective in accomplishing the mission.
- Led volunteer groups to provide English training to 7 foreign countries.

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

- Published thesis on Computational Fluid Dynamics analysis of heat flux over turbine blades which strengthened confidence of technicians in the use of CFD.
- Employed legacy Fortran code on supercomputers.
- Manufactured heat flux gauges for thermal analysis at Gas Turbine Labs

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
- Graduate Coursework: Numerical Methods, Finite Element Analysis, Fluid Mechanics, Hypersonic flow, Orbital Mechanics, Turbomachinery,

LEADERSHIP SKILLS

- Leading myself
- Strategic approach
- Influence others
- Value people
- Listen with empathy
- Conflict resolution

Dynamic Skills

- Complex problem solver
- Innovative
- Service-focused
- Public speaking
- Fund-raising