

Tampa, Florida
Web: <https://cleverchuk.github.io/>

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EMPLOYMENT

	Institute for Computational Engineering and Sciences, U-Texas	Summer 2017
Summer Intern		
Phase Field Modeling		
	<ul style="list-style-type: none">Developed a parameter search algorithm for obtaining feasible simulation parameters in C/C++.Developed a parallel algorithm for data visualization and processing in Python.	
Undergraduate Research	University of South Florida	Summer 2016 – Spring 2017
	<ul style="list-style-type: none">Optimized a MATLAB data collection program to enable faster data acquisition and reduced modeling time.Modeled rats' contrast sensitivity to characterize the effectiveness of glaucoma therapeutics.	

EDUCATION

	University of South Florida	Fall 2014 – Dec 2017
Tampa, FL		
	<ul style="list-style-type: none">B.S. in Chemical Engineering, Dec 2017. GPA: 3.75/4.0; Major: 3.67/4.0Undergraduate Coursework: Transport phenomena; Separations; Process Dynamics & Controls; Material and Energy balance; Programming Concepts; Instrument systems, Numerical methods; Product & Process Systems Engineering; Process & Product Design; Chemical Engineering Lab I&II; Reaction Engineering.	

TECHNICAL EXPERIENCE

Projects

- Carpool Friends** (May 2017 – present) A social networking application for managing carpools.
- Control System for an Industrial Digester** (April – May 2017). A feedback and feed-forward control system designed to keep an industrial digester within environmental constraints.
- MyCarFinder** (May 2016 – present). This application makes parking less of a hassle by saving parking location and routing to the location.
- Self-Heating natural bug repellent system** (Feb – April 2017). A repellent dispersion system that uses an exothermic reaction to aid diffusion.
- Chemical Vapor Deposition reactor design** (Oct – Dec 2016). A chemical vapor deposition that has a theoretical yield of 75%.
- Report analyzer** (Dec 2016 – Feb 2017). An application that reduces the amount of time it takes to grade a lab report by doing a word count analysis on various report sections.
- Trading Journal** (Sep 2014 – present). A documentation app that enables the user whom is assumed to be a financial market speculator to document his/her daily transactions.

ADDITIONAL EXPERIENCE AND AWARDS

- Outstanding product design, Senior Design Project:** Awarded outstanding product design for Self-Heating natural bug repellent system.

AFFILIATIONS

- Tau Beta PI Engineering Honor Society
- American Institute of Chemical Engineers
- Institute of Electronic and Electrical Engineers

Languages and Technologies

- C++(intermediate); C(proficient); Python(proficient); Java(proficient); #.NET(proficient); MATLAB(proficient); front-end web technologies(intermediate).
- Visual Studio; Microsoft Office; Eclipse; Android Studio; Photoshop; AutoDesk Inventor; SIMULINK; Aspen Plus; Comsol Multiphysics;