

SELDON T. TSELUNG (US CITIZEN)

(646) 725-8476 ◇ New York, NY

<https://seldontselung.com> ◇ [linkedin.com/in/seldontselung](https://www.linkedin.com/in/seldontselung) ◇ github.com/SeldonTselung ◇ stselung@gmail.com

OBJECTIVE

Highly motivated and detail-oriented software engineer seeking an entry-level position as a front-end, back-end or full-stack engineer. With a solid foundation in data structures and problem-solving skills, I aim to apply my technical knowledge and collaborate with a dynamic team to create innovative and user-friendly software applications.

EDUCATION

Certified Software Engineer, The Grace Hopper Program at Fullstack Academy.

Master of Science, Mechanical Engineering, Rochester Institute of Technology.

Bachelor of Science, Mechanical Engineering, Rochester Institute of Technology.

TECHNICAL SKILLS

HTML5, CSS3, JavaScript, React, Node, Express, TypeScript, Git, GitHub, PostgreSQL, Postman, Firebase, Firestore, MongoDB, CS Fundamentals, Data Structures and Algorithms.

PROJECTS

NASA Launch (github.com/SeldonTselung/NASA-Launch-App) 2023

- An interactive site that allows users to schedule a launch to a habitable planet, abort a launch and view a history of launches. Built back-end database using Mongoose and MongoDB, and built RESTful API using Node, Express and Axios. Deployed site using Docker and AWS EC2.

Portfolio Site (github.com/SeldonTselung/Portfolio) 2023

- A mobile responsive portfolio site where users can learn about my background, interests, and the different projects I have worked on. Built using HTML5 and CSS3, and deployed using GitHub pages.

OnlyFoods (github.com/2111-Patisserie/2111-OnlyFoods) 2022

- A fully deployed social app created following Agile Workflow and Development principles. The app allows users to securely login and post, edit, share and bookmark recipes. Designed schema and wire-frames using draw.io, developed MVP, and used Git for VC purposes. Built front-end using React Native, React Hooks for state management and Expo for framework. Built back-end database using Firestore and authentication using Firebase.

The Greenhouse (github.com/2111-pellow/The-Green-House) 2022

- A mock e-commerce website that features a product catalog, secured login experience, and persistent user sessions. Users can browse, filter, sort, add to cart, view cart and check out cart. Designed and built front-end using HTML, CSS, JS, React and Redux. Built RESTful API using Node and Express, and built database using PostgreSQL.

EXPERIENCE

Full-time Student June 2021 - Feb 2022
The Grace Hopper Program at Fullstack Academy *New York, NY*

Mechanical Design Engineer Jan 2019 - May 2021
Boyce Technologies Inc. *Long Island City, NY*

- Lead design engineer for the Enhanced Emergency Booth Communication System Project, which successfully passed 100% of MTA's physical, thermal, vibration, and sealing specifications on the first attempt.
- Proactively achieved production deliverables through frequent communication with all team members, issuing 100+ engineering changes, and producing clear work instructions for machining, assembly and quality depts.
- Mentored a junior engineer and an intern.
- Successfully led a team for production field test at 6 MTA (Metropolitan Transportation Authority) stations using proper protocols and tools, thorough analyses and team work.
- Successfully tested and passed 3000 Spiro Wave Emergency ventilators for FDA approval in 3 months.

Mechanical Design Engineer Apr 2016 - Oct 2018
Amphenol Aerospace *Sidney, NY*

- Led the Next Generation composite connectors project by researching, designing, and developing the first samples of new prototypes.
- Managed and accelerated the launch of in-flight entertainment Bantam connectors by providing quick engineering support for marketing needs, drawings, and technical solutions.
- Successfully transitioned enhanced anti-decoupling Dualok Connectors from series I to II by issuing 100+ engineering changes that involved design, manufacturing processes and test procedures.

Mechanical Engineer Coop Sep 2011 - Feb 2012
Toyota Motor Engineering & Manufacturing *Erlanger, KY*

- Assisted in Minor Model projects, participated in car teardown activities, contributed to AutoShow2012 presentation at Detroit and automated J.D.Power data analysis process saving time and cost.