

Profile

Skills

- C/C++, Python, Javascript/Typescript, iOS/Swift
- Agile/Scrum Methodology
- Teaching/Mentoring/Program Design

Knowledge

Love to create things, bless people and provide insight

- Software Architecture/System Design
- UI/UX/Information Visualization
- Artificial Intelligence/Machine Learning
- Computer Graphics

Work Experience

Screening Eagle Technologies

C++ CV/ML Software Engineer (Dec 2020 - Present)

- CV/ML Software Engineer for *Research and Development Team*
 - iPad LiDAR-based 3D Scanning & Reconstruction

Autodesk - Delivery

Sr. Software Engineer, Solution Lead, Engineering Practices Lead (Jun 2018 - Dec 2020)

- Engineering Practices Lead for *Autodesk Delivery Team*
 - Champion for SWD Best Practices
 - Champion for CI/CD Best Practices
 - Member of DevOps guild
- Key contributor in design and implementation of *Autodesk On-Demand Install Service*
 - Designed & implemented Install Coordinator (C++)
 - Designed & implemented Unit Test (GTest) and Component Test frameworks (Robot)
 - Contributed to Install UI and UI workflows (Electron & ReactJS)

Autodesk - Memento/ReCap Photo

Software Engineer (Jan 2015 - Jun 2018)

- Designed & implemented a CI/CD framework for Jenkins Pipeline Shared Library (Python)
- Key contributor in design and implementation of *Autodesk ReCap Photo*
 - Designed & refactored UI framework and 3D manipulation tools (C++)
 - Collaborated with UX to build UI workflows for Desktop and VR (C++ & QT)

Volunteer Experience

School of Science and Technology

SST Inc. Mentor (June 2019 - Present)

- Co-created and conducted programme to engage alumni
- Mentored SST Inc. Executive Committee on technical and management skills

The Navteens Singapore

Mentor/Trainer (Dec 2009 - Present)

- Mentored individuals for personal holistic growth
- Taught Bible-centered mentoring skills as part of a youth training program

Boys Brigade Singapore

Volunteer/Officer (Jan 2005 - Apr 2019)

- Taught Boys about Bible-based character values
- Taught visual programming to Boys

Education

National University of Singapore

Jan 2017 - Jul 2019

- M.Comp in Computer Science

DigiPen Institute of Technology

Sep 2012 - Aug 2015

- B.Sc in Computer Science in Real-Time Interactive Simulation
 - Teaching Assistant
 - Tools Programmer, **Short Circuit**
 - Gameplay Programmer, **Flowline**
 - Technical Lead, **BIBBB**