HAEJOON CHOI

Software Developer

✉ haejoonchoi@outlook.com 📞 778-899-6669 🌐 haejoonchoi.github.io in linkedin.com/in/haejoonchoi/

EXPERIENCE

Software Developer
CAMS Software

📅 Jan 2020 – Dec 2020   📍 Burnaby, BC, Canada

- Develop, maintain, review the code base of a newly-launched web-application.
- Participated in daily standup, planning/grooming/demo sessions.
- Research internet standard and share findings/suggestions to team members through formal presentations.

Research Intern
General Motors Research & Development

📅 Aug 2017 – Feb 2018   📍 Warren, MI, USA

- Performed structural analyses on 3D-printable fine lattice structures using a super-computing system.
- Developed Python scripts for automating post-processing and data visualization of simulation results.
- Virtual tensile tests on metal lattice structures for 3D Printing using Non-linear Explicit FEA.

EDUCATION

Computer Systems Technology Diploma (CGPA: 92%)
British Columbia Institute of Technology

📅 Jan 2019 – Present   📍 Burnaby, BC, Canada

M.S. in System Design and Control Engineering
Ulsan National Institute of Science and Technology

📅 Sep 2016 – Feb 2019   📍 Ulsan, S.Korea

B.S. in Mechanical Engineering
Ulsan National Institute of Science and Technology

📅 Mar 2010 – Aug 2016   📍 Ulsan, S.Korea

PUBLICATION

Design of Non-Periodic Lattice Structures by Allocating Pre-Optimized Building Blocks
Conference Proceeding

American Society of Mechanical Engineering IDETC/CIE 2019

📅 Aug 2019   🏛 American Society of Mechanical Engineers

SKILLS

TypeScript   C#   T-SQL

Angular   .NET Core

- - -

Git   Azure DevOps

AWARDS

Grand Prize
Altair Optimization Competition 2018

📅 Sep 2018

- Design/analyze/present a 3D printable electric scooter.
- $4,500
- Field trip to Altair Engineering in US

LEADERSHIP

Founder, Mentor
UNIST "Mi Dam" Students' Community Service Organization for Scholarships

📅 Mar 2012 – Mar 2013

- Founded/ran a student tutoring organization for local students to solve educational inequality and raise funds to grant scholarships.