

# HAEJOON CHOI

## Software Developer

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## EXPERIENCE

### Software Developer

#### CAMS Software

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

- Successfully implemented new features on a newly-launched web application with Angular frontend, .NET Core backend and Microsoft SQL Server
- As a full-stack software developer, worked on frontend, backend and writing database query depending on the features to implement.
- Successfully secured a full-time developer position half way through completing my co-op term

### Research Intern

#### General Motors Research & Development

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

- Performed structural analyses on 3D-printable lattice structures using Linux-based super-computing servers
- 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 (GPA: 91%)

#### British Columbia Institute of Technology

📅 2019 – 2021    📍 Burnaby, BC, Canada

### M.S. in System Design and Control Engineering

#### Ulsan National Institute of Science and Technology

📅 2016 – 2019    📍 Ulsan, S.Korea

### B.S. in Mechanical Engineering

#### Ulsan National Institute of Science and Technology

📅 2010 – 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 Python T-SQL C#

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