

Manh Duong

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EDUCATION

- **University of Iceland** Reykjavík, Iceland
• *Bachelor of Science - Mechanical Engineering:* 2022 - Now
Relevant Courses: Technical Systems, Design & Experimental Execution, Automatic Control Systems, Machine Learning, Mechatronics, The AI lifecycle, Robotics and Computer Vision...
- **Kópavogur College** Kópavogur, Iceland
• *Student Diploma - Science Line:* 2019 - 2022

SKILLS SUMMARY

- **Programming languages:** Python, Matlab, R, C#
- **CAD:** AutoCAD, Inventor, ANSYS
- **Programming Libraries:** NumPy, Pandas, Matplotlib, CoolProps, Torch+++, TensorFlow, SciPy,
- **Other skills:** Latex, Excel

WORK EXPERIENCE

- **Össur** 2024
• *Full-time summer employee*
- **Description:** Involved in the production, analysis, and repair of the Rheo Knee, an artificial knee with integrated artificial intelligence.
- **Tokyo Sushi** 2020 - 2023
Part-time/Full-time
 - **Hot Kitchen:**
 - **Kitchen Assistant:**
 - **Cashier:**
 - **Dishwasher:**
- **Pizzan** 2022
Part-time
 - **Oven:**
- **Krua Thai** 2018 - 2019
Part-time
 - **Answering Service Operator:**
 - **Cashier:**

PERSONAL PROJECTS AND RESEARCH

- **Designed a multi-functional bench :** AutoCAD
- **Designed a bicycle shed with optimal solution for a storage unit :** Inventor
- **Designed a bicycle side cart with self a dampening system :** Inventor
- **Designed, implemented, and refined control systems to improve the efficiency and reliability of a robotic system :** Python and Arduino
- **Solved the Euler-Bernoulli beam theory using Numerical methods:** Matlab
- **Conducted a research project exploring the optimal/cleanest cycle for alternative fuel sources as a viable for near-future substitution, by using Thermodynamics Methods:** Python and CoolProps
- **Worked on a classification determining whether something has been created by Ai or Real life:** using state of the art deep neural network algorithms

OTHER

- Gradeschool Math competition participant: 2019
- College Math competition participant: 2020 - 2022

SPOKEN LANGUAGES

- **Icelandic:** Native
- **English:** Fluent
- **Vietnamese:** Native
- **Danish:** Elementary