

WILL (KHAI NGUYEN) DANG

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SUMMARY

Meticulous, methodical, and solution-driven job seeker with Bachelor's and Master's degree in engineering and 5+ years of experience working in academic research, data analysis and product development, using multiple programming languages

Looking for entry level cloud / software engineer position; Willing to learn new skills; No visa sponsorship required

TECHNICAL SKILLS

- Programming languages (JavaScript, CSS, HTML, C, C++)
- Data analysis & visualization (Excel, MATLAB, LABVIEW)
- Cloud technology (Github, Learning AWS)

EXPERIENCE

- 2022-Present **SOFTWARE ENGINEER** | WILLDANGCAREER.COM **Westwood, MA**
Freelancer | Certifications: JavaScript, CSS, HTML, AWS (learning)
- **Acumen:** Constantly conduct secondary research on web application trends and user insights
 - **Software development:** Design and implement web applications using JavaScript, CSS and HTML. Project examples: Interactive websites, web gaming features (memory game, calculator, countdown timer, etc.)
 - **Debugging:** Continuously perform technical analysis, test applications, troubleshoot and fix bugs
 - **Software management:** Maintain source codes using Github, organize and clean codes for easy reviews
- 2017-2022 **STAY-AT-HOME DAD**
- Provide childcare to two young children, including fulltime care from infancy to 2.5 years of age
 - Manage all household matters (e.g., kids' activities and appointments, grocery shopping, meal preparation, etc.)
- 2013-2017 **ENGINEER** | **KONKUK UNIVERSITY** **Seoul, South Korea**
Fulltime
- **IT acumen & programming:** Developed a mini quadrotor drone - Designed and built hardware (making circuit boards for drone and controllers) and wrote programs (for drone and controllers) using C, C++
 - **Product Improvement & QA:** Tested drone performance, improved and debugged both software components and hardware components
 - **Collected, analyzed and visualized experiment data** using MATLAB, LabVIEW to help inform learnings and business decisions
 - Created and delivered product presentations to supervisor and external business partners on a weekly basis
 - Conducted academic research on quadrotor modelling and attitude controllers; published two academic papers on the subject and presented findings at various academia conferences
- 2011-2012 **RESEARCHER** | **KONKUK UNIVERSITY** **Seoul, South Korea**
Worked for at least 4hrs/day in addition to attending PhD coursework
- Conducted academic research on applied algorithm to improve accuracy of various gyroscopes
 - **Analyzed and visualized data** to refine mathematical algorithm of gyroscope models
 - Published two academic papers and presented findings at various conferences, including Korea Institute of Information and Telecommunication Facilities Engineering (ITFE) and CISC

EDUCATION

- 2011-2017 **KONKUK UNIVERSITY, DEPARTMENT OF AEROSPACE INFORMATION ENGINEERING** **Seoul, South Korea**
PhD Program Coursework, GPA: 4.04/4.5 (94 percentile)
- 2008-2010 **NATIONAL TECHNICAL UNIVERSITY OF UKRAINE (KYIV POLYTECHNIC INSTITUTE)** **Kyiv, Ukraine**
Master's Degree in Operating Systems of Aircrafts and Complexes
- 2004-2008 **NATIONAL TECHNICAL UNIVERSITY OF UKRAINE (KYIV POLYTECHNIC INSTITUTE)** **Kyiv, Ukraine**
Bachelor's Degree in Aviation and Cosmonautics, graduated with Distinction