Gildong Hong

Mobile: (+82 10) 0000-0000 ▪ E-mail: gildong.hong@hanwha.com

**PROFILE**

Highly motivated and passionate engineer with advanced knowledge in 000, 000 and comprehensive understanding in 000

**Personal information**

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| --- | --- |
| Last Name: | Hong |
| First Name: | Gildong |
| Contact: | (+82 10) 0000-0000 |
| Email: | Gildong.hong@hanwha.com |
| Address: | 00-ro, 00-gu, Seoul, Korea |
| Date of Birth: | Dec. 25, 1900 |
| Place of Birth: | Seoul, Republic of Korea |
| Citizenship: | Korean |

**Education**

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| **000 High School** | | **Mar. 2000 – Feb. 2000** |
| Address: | 000 Korea | |
| City: | Seoul | |
| Country: | Republic of Korea | |
| **000 University** | | **Mar. 2000 – Feb. 2000** |
| Degree: | Bachelor degree in 000 | |
| Address: | 000 Republic of Koera | |
| **000 University** | | **Mar. 2000 – Feb. 2000** |
| Degree: | Master degree in 000 | |
| Thesis: | Development of a 000 panel / 000 solver for numerical analysis of transonic flow | |
| Projects: | * Development of 000 and 000 techniques (AAA Company, 2000) * Noise measurement of a 000 vehicle (BBB Company, 2000) * Development of a noise analysis technique for an 000 rotor (BBB Company, 2000) | |
| **000 University | Aeroacoustics Laboratory** | | **Sep. 2000 – Aug. 2000** |
| Degree: | Ph.D. degree in Aerospace Engineering | |
| Thesis: | Development of a 000 particle method for main rotor–tail rotor interaction | |
| Projects: | * Time-marching simulation of 000 for understanding and prevention of accident (AAA, 2000-2000) * 000 rotor for high efficiency and low noise (BBB, 2000-2000) * A study on 000 of the 000 on the helicopter in maneuver flight (CCC, 2000-2000) | |

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**Employment History**

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| **AAA Company | Research Engineer** | | **Aug. 2000 – Dec. 2000** |
| Address: | 000 Korea | |
| City: | Seoul | |
| Country: | Republic of Korea | |
| Responsibilities: | * Participated in conceptual design of 000 * Performed computational study of multiple rotor layouts for understanding interactional aerodynamics * Conducted aeroelastic stability analysis of a 000 using a comprehensive aeromechanical analysis program, 000 * Developed a design optimization framework based on 000 and 000 for improving aerodynamic efficiency of a 000 * Conducted performance analysis of a 000 using an in-house code and 000 | |
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| **Hanwha Systems** | | **Feb. 2000 – Present** |
| Address: | 188 Pangyoyeok-ro, Bundang-gu | |
| City: | Seongnam | |
| Country: | Republic of Korea | |
| Responsibilities: | * Develop a conceptual design tool for 000 using 000 | |

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**Skiils**

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|  | * Rotorcraft aerodynamics/aeromechanics analysis * Aeroacoustic analysis and acoustic measurement * Rotor blade design optimization |

**Software**

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| **Aerodynamics** | CHARM, CARMADII, PowerFlow, Ansys CFX, STAR-CCM+, XROTOR, AVL, XFLR5, VSPAERO, X-Foil, Tecplot, FieldView |
| **Acoustics** | PSU-WOPWOP, UCD-QuietFly, BK Connect |
| **Optimization** | ModelCenter |
| **Language** | Fortran, Python, Matlab |

**Certifications**

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| **Language (English)** | * TOEIC 000/990 (Jan 2000) * TOEFL 000/120 (Sep 2000) * GRE CBT Verbal 000/800, Quantitative 000/800, Analytical Writing 0.0/6.0  (July 2000) |

**Scholarships & Awards**

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| **Scholarships** | * Undergraduate Scholarship from Korean Government (Mar. 2000 – Feb. 2000) * 000 University Scholarship for Summer Session Program at UCLA (June – Aug. 2000) * 000 University Scholarship for Student Exchange Program at Technical University of Paris, France (Apr. – July 2000) |
| **Awards** | * Best Paper, Korea at 000 Forum (Nov. 18, 2000) * Recognition Award, 1st Place from AAA Company (May 20, 2000) |

**Patent**

* Hong, Gildong et al., “000 Mobility,” Patent Application CN 0000000000.0, DE 0000000000.0, JP 2000-000000, KR 0000000000000, US 00/000,000

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**Publications**

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| **Journals** | * Kim, Cheol Soo, Hong, Gildong, and Lee, Young Hee, “Simulation of 000s on 000 with 000 Modeling,” IEEE, Vol. 00, pp. 000-000, 2000. |
| **Proceedings** | * Hong, Gildong, Kim, Cheol Soo, and Lee, Young Hee, "Investigation of 000 Interaction in 000 Flight Using 000 Method," 000 Forum, Singapore, November 17-18, 2000.) |