Jun (Kevin) Choi

github.com/rhwlffk1028 • www.linkedin.com/in/kevchoi • kevchoi1028@gmail.com

EXPERIENCE

Student June. 2021 – Present

UW Coding Bootcamp | Seattle, WA

- Extensive use HTML, CSS, and JS to develop applications with creative algorithms and methods
- Awarded for People's Choice and Best Functionality from the first team project assignment
- Utilized web API data to create applications, such as weather broadcast and playing card deck generator

Design Engineer Oct. 2019 – Jul. 2020

AeroTEC | Seattle, WA

- Extensive use of NX 12 to design and test the aircraft system and validating with structural test report
- Conceptualized instrumentation rack and LOPA for the Rolls Royce flying test bed to support engineering workstation
- Supported designing and testing the customers' wind tunnel models and got familiar with Kirsten Wind Tunnel
- Designed a cooling ducting system assembly (composite parts) for the MagniX (electric plane) flight test program

Design Engineer Dec. 2017 – Oct. 2019

Hexcel | Kent, WA

- Extensive use of CATIA V5 to design aerospace tools and complex parts per customers' (SpaceX/Boeing) specification
- Extensive use of CATIA Composite Workbench to flatten 3D geometry into optimized 2D ply shape
- Created engineering drawings with appropriate GD&T techniques to support needs of technicians and customers
- Specialized in automated kit cutting table programming (Gerber & Eastman) and laser projection system (LPT & AGS)
- Analyzed part measurement and inspection data defects to determine root cause and corrective action
- Implemented 5S lean manufacturing method to improve work environment, process, and safety

Configuration and Integration Team Lead Jan. 2017 – Sep. 2017

Supercruise Aircraft Design Capstone Project | Seattle, WA

- Coordinated with other teams to verify the nacelle and the airframe modifications to mitigate integration errors
- Modified the geometry (inlet & nozzle) of previous year's propulsion system to increase the thrust by 4 lb
- Extensive use of NX to design the full configuration of an UAV model, a wind tunnel model, and a full-scale aircraft (700 hrs)
- Led the manufacturing process such as a composite layup, a canopy fabrication, and a layup mold modification
- Optimized an internal structure of a control surface to minimize its weight and performed a structural test

EDUCATION

University of Washington, Seattle | B.S. in Aerospace Engineering Graduated: Jun. 2017

University of Washington, Seattle | Coding Bootcamp Expected: September 2021

University of Southern California, Los Angeles | M.S. in Astronautical Engineering Expected: January 2023

SKILLS

Software Skills | HTML, CSS, JavaScript, jQuery, API, Node.js, Bootstrap, Terminal, GitHub, LaTeX

Engineering Skills | Catia V5 | Solidworks | Siemens NX | JETCAM | CrossTrack | Flow Waterjet | SmarTeam (PLM) MATLAB | MS Office | Composite Layup | 3D printing (layup mold & wind tunnel parts)