**IN KWON CHOI**

(737) 247-6761 [inkwon.choi@gmail.com](mailto:inkwon.choi@gmail.com)

A web application developer with M.S in Computer and Information Science and M.S. in Human-Computer Interaction. 3+ years of work experiences in web application development for front-end and back-end.

**EDUCATION**

**Indiana University–Purdue University Indianapolis**, Indianapolis, IN

M.S. in Computer and Information Science, May 2019

GPA: 3.76/4.0

**Indiana University–Purdue University Indianapolis**, Indianapolis, IN

M.S. in Human-Computer Interaction, May 2017

GPA: 3.86/4.0

**Korea National University of Arts**, Seoul, South Korea

B.A. in Theatre Studies, August 2015

GPA: 3.91/4.3

**EXPERIENCES**

**Software Developer (\*research lab has moved to a new institution)**

Indiana University–Purdue University Indianapolis, Indianapolis, IN **Nov 2019-Jun 2021**

Tulane University, New Orleans, LA **Jun 2021-Current**

* Designing, developing, and maintaining 2D/3D visualizations of bioinformatics data for web using JavaScript/TypeScript, SQL, as well as HTML/CSS and frameworks/libraries such as jQuery, Node.js, D3.js, Three.js, Vega.js, and Bootstrap
* Writing codes utilizing Ajax to communicate between front-end and back-end
* Code refactoring including rewriting old codes for reusability and better quality, as well as converting JavaScript codes into TypeScript
* Utilizing Git for version-control, developing in Linux and Windows environment
* Setting up and managing Docker repository and distributing software as Docker image
* Analyzing requirements in a meeting with a client, designing and developing a web application based on the client needs and feedback to a prototype
* Responding to issue reports and questions from users
* Testing and troubleshooting applications developed by oneself and the team

**Research Assistant**

Indiana University–Purdue University Indianapolis, Indianapolis, IN **Jan 2017-May 2019**

* Worked as a front-end developer and a UX designer in a data visualization research lab
* Designed and developed a web application with multiple interactive visualizations based on high-level sketches or verbal specifications, using HTML/CSS and JavaScript, jQuery, D3.js, Vega.js
* Conducted user testing to assess the usability and user experience of the application and updated the application design based on feedback

**SKILLS**

**Development:** JavaScript/TypeScript, HTML/CSS, SQL, C++

**Software:** Git, Docker, Tableau

**Foreign Languages:** Proficient in Korean, Japanese