**IN KWON CHOI**

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Indianapolis, IN 46234

**OBJECTIVE**

Working as application developer with solid knowledge and experience in web development and UX design

**EDUCATION**

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

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

GPA: 3.67/4.0

**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**

**Work Experiences**

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

*Research assistant.* Leading front-end development, worked both as a developer and UX designer in

building multiple interactive web visualizations based on high-level sketches or verbal specifications,

using HTML/CSS and JavaScript libraries; continuously updated the application based on feedback

and changed requirements; set the goals for the week and gave progress updates in the meetings;

generated the design ideas and sketches for the visualizations and the interfaces; tested the

application for bugs and fixed them;

**Indiana University–Purdue University Indianapolis**, Indianapolis, IN **Aug 2015-May 2017**

*Teaching Assistant*. Worked as a TA for courses on visual design and audio design; graded

student designs and provided comments in terms of graphic design and user experience principles;

created questions for quizzes and exams

**Academic Projects**

**Developing an interface for a concept-driven data analysis research**

* Developed the front-end side of web application that creates multiple types of graphs based on a user-created concept maps; the features included reading data from incoming JSON and drawing a concept map accordingly, traversing the map and gathering all data on its nodes and edges, and generating an appropriate graph; used JavaScript and HTML/CSS

**Developing an interactive visualization of global happiness data**

* Designed and developed an interactive choropleth map, line charts, and bar charts displaying spatial, multi-dimensional data using JavaScript D3 library and HTML/CSS.

**Developing an interface for visualization of geo-temporal data**

* Merging, cleaning and normalizing multiple datasets for visualization using Python pandas library; designing and developing the interface for visualizing the geo-temporal data on the map

**SKILLS**

**Development:** JavaScript, HTML/CSS, Python

**Software:** Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Adobe Photoshop

**Foreign Languages**: Proficient in Korean, Japanese (JLPT N1)