Peter Kong

Full Stack Developer

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I am a web developer with an academic background in machine learning and physics with wide experience in the semiconductor industry at all levels of manufacturing and design. I specialize in web development and documentation tools, favoring functional programming and clean, reliable code. I believe in the human API - using software and open standards to democratize access to technology and unlock the socioeconomic potential of everyone on Earth.

# Skills

* **Languages** - Ruby, Rails, Python, Node/Express, JQuery, React, React Native, HTML/CSS, Elm, Java, C/C++
* **Tools** - Linux, SQL, MongoDB, Docker, Git, Dita, XSLT/XQuery, Sharepoint, Agile, Atlassian, Office
* **Other** - Technical documentation, customer relations, public speaking, Korean (fluent)

# Experience

### General Assembly, Austin *- Web Development Fellow*

## September 2017 - December 2017

Three month full-time bootcamp covering: Node/Express, React, MongoDB, HTML/CSS, Python

### Dita For Small Teams, Github *- Independent Contractor*

## June 2017

Hired by team lead Eliot Kimber to implement asynchronous updates from Gitlab server to BaseX XML database using commit hooks and Docker containers. Project link: <https://github.com/dita-for-small-teams>.

### NXP Semiconductor, Austin *- Dataflow engineer, project lead*

## August 2014 - September 2016

Created Ruby re-implementation of documentation generation utility as open-source project, led global, cross-business-unit team to standardize workflows and update semiconductor design data model, maintained Bash and Perl scripts for data format conversion, trained user-base in new workflows.

### Freescale Semiconductor, Austin *- Information Architect (contractor)*

## October 2010 - August 2014

Converted design documentation to XML, created Dita documentation generation script using proprietary language, slashing deliverable lead-time from 3-6 months to a few weeks, created XML schemas with embedded Verilog/RTL logic for semiconductor design data.

### KoMiCo Technology, Austin *- Process Technician*

## May 2007 - August 2010

Designed and ran physics/chemistry experiments, operated and programmed FANUC robot, translated ISO 9001 documents (Korean to English), designed and transferred processes to production, created process documentation system.

# Education

* **DePaul** (2002-2003) - Eastern European history with graduate-level work in Cognitive Science
* **University of Chicago** (2003-2007) - Astrophysics, Philosophy
* **General Assembly** (2017) - Web Development Immersive