

PAUL NGUYEN

Data integration and knowledge graph search engineer looking for opportunities in Austin, TX.

CONTACT



985-640-9500



paul.tqh.nguyen@gmail.com



paul-tqh-nguyen.github.io/about



linkedin.com/in/paul-tqh-nguyen

EDUCATION

Master of Computer Science
University of Virginia

B.S. Computer Science
B.A. Mathematics
Washington & Lee University

SKILLS

Languages

Python	PostgreSQL
Bash	MS SQL Server
Javascript	Firebase
ExpressJS	MongoDB
ReactJS	C/C++
CommonLISP	HTML
SPARQL	CSS

Tools

JIRA	SVN & Git
Pytorch	Matplotlib
Pandas	NumPy
BeautifulSoup	Puppeteer

PROFESSIONAL EXPERIENCE

Lead Data Integration Engineer

Cycorp / Austin, TX / Mar 2017 - Present

Cycorp is an Artificial Intelligence company focused on natural language processing and knowledge graph search.

- Independently rebuilt 20-year-old legacy compiler to translate from our proprietary logic language to SQL & SPARQL.
- Designed & implemented framework for integrating data from web services into our knowledge graph search engine.
- Built distributed knowledge graph search and ETL engine based on our knowledge base's logical inference engine.
- Developed a deep-learning model (via pre-trained BERT) for word-sense disambiguation in Pytorch.
- Managed and mentored 3 data team members.
- Primary tools and methods included Python, Jenkins CI/CD, Bash, JIRA, LISP, Pytorch, test-driven development, and Scrum.

Graduate Graphics Researcher

University of Virginia / Charlottesville, VA / Aug 2013 - May 2015

- Designed & implemented domain-specific language to optimally trade off image processing exactness for runtime performance.
- Published in [ACM Transaction on Graphics](#).
- Presented at [ACM SIGGRAPH](#).
- Implemented as a source-to-source compiler from Python to C/C++.

NSF / REU Social Networks Researcher

Suffolk University / Boston, MA / Jun 2012 - Aug 2012

- Analyzed impact of social media interaction on user popularity and social network growth.
- Built Python web crawlers to scrape social media interaction data. Visualized data in d3.js.

MISCELLANEOUS EXPERIENCE

Dance Instructor & Board Member

Jazz Dance Education Council / Richmond, VA / May 2015 - Feb 2017

SIDE PROJECTS

Reskin of [arxiv.org](#) | [Github Repo](#) | [Live Demo](#)

Reskin via ReactJS, MongoDB, Python3, BeautifulSoup, HTML, & CSS.

Swing Dance Scoring Web App | [Github Repo](#)

Independent app built in ReactJS, ExpressJS, Firebase, & Python3.