

Hyun Gi Lee

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Education

Cornell Tech, Cornell University - New York, NY <i>Master of Engineering in Computer Science</i>	Aug 2017 - May 2018
Baruch College, City University of New York - New York, NY <i>Bachelor of Arts in Mathematics; Minor in Law and Policy; Cum Laude</i>	Aug 2012 - May 2016

Publications & Working Papers

Hyun Gi Lee. 2020. Detecting Fraudulent Skincare Product Reviews. *In Progress for ICWSM-2020*.

Emily Tseng* and Hyun Gi Lee*. 2018. A combined rule-based and statistical approach to family history extraction from unstructured text. *In Proceedings of BioCreative/OHNLN Challenge, ACM-BCB*. [[pdf](#)] *equal contribution

Jia Xu, Yi Zong Kuang, Shondell Baijoo, Hyun Gi Lee, Uman Shahzad, Mir Ahmed, Meredith Lancaster and Chris Carlan. 2017. Hunter MT: A Course for Young Researchers in WMT17. *In Proceedings of the Second Conference on Machine Translation, EMNLP*. [[pdf](#)]

Experience

Kins - Full-stack Engineer	May 2019 - Present
<ul style="list-style-type: none">Develop and design web and mobile social networking applications with Django, Bootstrap, PostgreSQL and iOS.Conduct technical research to develop a recommendation system for skincare products and a machine learning model for filtering out fraudulent reviews.Manage product development cycles to prioritize feature implementations and bug fixes.	
Art Fellowship - Research Fellow	May 2018 - Aug 2019
<ul style="list-style-type: none">Implemented fluid simulation software based on the Navier Stokes equations to control a 40x40 electromagnet grid embedded in a sculpture for public display at Okayama Art Summit 2019.Processed datasets and applied machine learning techniques (t-SNE and GAN) to render visual effects.Performed technical research and produced progress reports to the overseeing board.	
Oscar Health - Product Studio Developer	Aug 2017- Dec 2017
<ul style="list-style-type: none">Built an iOS application using Healthkit and PAM-omh for tracking health metrics of bipolar patients.Implemented a chatbot using IBM Watson Conversation API for bipolar patient caregivers to update physicians.Presented the prototype to Oscar Health CTO and Cornell University.	
Hunter Machine Translation Group - Research Assistant	Nov 2016 - May 2017
<ul style="list-style-type: none">Created and trained a bidirectional statistical machine translation system using Moses under Prof. Jia Xu's supervision.Co-authored a research paper for WMT/EMNLP 2017 Conference.Developed a parser for aligning parallel sentences in BioC XML documents.	

Awards & Honors

The IDEA Innovation Competition - 2nd Place, \$5,000	2019
\Art Fellowship - \$40,000	2018
Simons Graduate Fellowship - \$15,000	2017
Korean American Scholarship Foundation Award - \$2,000	2017
Baruch Entrepreneurial Fellowship - \$1,250	2015
Dean's List	2013, 2015
Sigma Alpha Delta Honor Society	2013

Invited Talks

Creating a Tech-enabled Art Installation	2019
Sharing is Caring, Cornell University.	
A combined rule-based and statistical approach to family history extraction from unstructured text	2018
BioCreative/OHNLP Challenge, ACM-BCB.	

Leadership

Coalition for Queens - Lead Student Ambassador / Intern	Jun 2015 - May 2016
<ul style="list-style-type: none">○ Led a team of five student representatives from local colleges and organized CUNY Tech Meetup showcasing 10 student-led startups and tech projects.○ Spearheaded the planning of Queens Tech Meetup 17 that featured four local startups and Steven van Wel of Karma as keynote.○ Assisted in drafting the C4Q/Queens Borough President's Office Strategic Plan.	
Hack for Baruch - Founder / President	Feb 2015 - May 2016
<ul style="list-style-type: none">○ Led a team of seven students and hosted weekly workshops on web and mobile development.○ Partnered with local companies to coordinate on-site visits to foster student engagement.○ Organized a hackathon in partnership with TransferWise.	

Skills

- **Software Development:** Python, Javascript, HTML/CSS, C++, SQL, Bash, Git, Tensorflow, NLTK, Numpy, Pandas, scikit-learn, Amazon Web Services, LaTeX, data structures and algorithms, full-stack development, agile development
- **Language:** Korean (native), English (fluent), French (elementary).
- **Communication:** writing, public speaking, editing.
- **Extracurricular:** Finished 2019 Chicago Marathon and 2018 Philadelphia Marathon.