Nick Kaimakis

EDUCATION

University of Southern California	**Los Angeles, California**
Bachelor of Science in Computer Science	**Aug 2015- May 2019**
Minor in Business Finance	**GPA: 3.44/4.00**

Select courses: Algorithms, Data Structures, Software Engineering, Artificial Intelligence, Building a High Tech Startup

PUBLICATIONS

- *MentorPal: Interactive Virtual Mentors Based on Real-Life STEM Professionals* — ITSEC 2017
- *Patent Law and Defense Technology: Original Intent and Current Practice* — ITSEC 2017
- *Enabling Computer Generated Interactive Conversation: New Technologies Address Turing's Challenge* — SIW 2017

WORK EXPERIENCE

USC Institute for Creative Technologies: **Research Developer** — **Oct 2016- Nov 2017**
- Implemented a language model to create a virtual mentor to respond to user questions
- Increased model accuracy from **47%** to **61%** with **1600** training questions and **200** test questions
- Contributed to and published three academic papers

USC Leonard Davis School of Gerontology: **Full Stack Web Developer** — **Jul 2016- Oct 2016**
- Inherited **20,000** lines of outdated code and iteratively improved functionality and user experience
- Developed and maintained interactive websites using HTML, CSS, and JavaScript

iD Tech Camps: **Lead Instructor** — **May 2016- Aug 2016**
- Lead team of instructors and designed a week-long project based Python course to children ages 10 to 17

PROJECTS

Lucre **(Swift)** — **Sep 2017- Dec 2017**
- Currently building, testing, and documenting a budget management app with payment integration

NLP/State Based Systems **(Python)** — **Oct 2016- Oct 2017**
- Designed and trained a language model to create a virtual mentor QA system
- Created a **70%** smaller domain specific language model from Google's word corpus (originally 3.6GB)

Memoire **(Swift)** — **Jan 2017- May 2017**
- Prototyped, developed, and marketed a mobile iOS application as a daily journal and wellness log

Web Design **(HTML/CSS, JavaScript, Java, SQL)** — **Jan 2017- May 2017**
- Developed a real time mock-investment website using Bootstrap, jQuery, Java, and SQL
- Collaborated with 4 developers to produce documentation, detailed design, and frameworks

TECHNICAL SKILLS

- **Languages (by familiarity):** Java, Python, Swift, HTML/CSS, C++, JavaScript, SQL
- **Other:** Project management, web and graphic design, various APIs, scripting for large data sets, Python scientific libraries, natural language processing, Spanish (conversational)

AWARDS

- Invited to attend the Forbes 2017 Under 30 Summit as a Forbes Under 30 Scholar
- Invited to present at the 2017 Global Grand Challenges Summit on virtual learning and natural language processing
- One of 20 students selected from 300+ applications for the 2017 Huawei Seeds for the Future fellowship

EXTRACURRICULARS

CAIS++: **Machine Learning Developer**	**Aug 2017- May 2019**
LavaLab: **Entrepreneur/Developer**	**Jan 2017- May 2019**
SC Outfitters: **Adventure Trip Lead**	**Aug 2016- May 2019**
Engineers Without Borders: **Membership Chair**	**Aug 2015- May 2016**