Nick Kaimakis

nkaimakis.com | GitHub

EDUCATION

University of Southern California	**Los Angeles, California**
Bachelor of Science in Computer Science	**Aug 2015- May 2019**
Minor in Innovation: The Digital Entrepreneur	**GPA: 3.5/4.0**

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- May 2017**
- Implemented a language model to create a virtual mentor to respond to user questions
- Increased the model's accuracy from **47%** to **61%** of questions with **1600** training questions and **200** test questions
- Contributed to and published three academic papers in virtual learning, natural language processing, and patent law

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- Inherited **20,000** lines of outdated code and iteratively improved functionality and user experience for 400+ students
- Developed and maintained interactive websites using HTML, CSS, and JavaScript

iD Tech Camps: **Lead Instructor**   **May 2016- Aug 2016**
- Taught and designed a week-long project based Python course to children ages 10 to 17 as a leader of 30 instructors

TECHNICAL SKILLS

- **Languages (by familiarity):** Java, Python, HTML/CSS, C++, JavaScript, SQL, Swift
- **Other:** Python scientific libraries, natural language processing, basic machine learning, API web integration, AJAX, IT hardware and software support, web and graphic design, scripting for large data sets, Spanish (conversational)

PROJECTS

- NLP/State Based Systems (Python)   **Oct 2016- Jan 2018**
  - Designed and trained a language model to create a virtual mentor QA system
  - Created a **70%** smaller domain specific language model from GoogleNews' word corpus
- 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

AWARDS

- 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

LavaLab: **Developer**   **Jan 2017- May 2019**
- Prototyped, developed, and marketed a mobile iOS application as a daily journal and wellness log

SC Outfitters: **Guide**   **Aug 2016- May 2019**
- Coordinated and led outdoor adventure trips for groups of 8 to 12 USC students

Engineers Without Borders: **Membership Chair**   **Aug 2015- May 2016**
- Managed recruitment and member relations and boosted membership by **20%** in one year