

Aaron Beomjun Bae

3400 Avenue of the Arts, Unit H322, Costa Mesa, CA 92626

(206) 659-2131 | aaron.bae@uci.edu | [linkedin.com/in/aaron-bae](https://www.linkedin.com/in/aaron-bae) | github.com/aaronbae/

SUMMARY

Looking for a data science internship for 2020. Will be graduating MS program in June 2021

EDUCATION

- | | |
|---|-------------------------|
| University of California – Irvine , Master of Science in Computer Science | Sept. 2019 – June, 2020 |
| <ul style="list-style-type: none">• Current GPA – 4.0• Interests in NLP research. Currently, working on following Lan's paper on ALBERT to implement its QA system for an in-class project.• Member of Associated Graduate Students and the Center for Machine Learning and Intelligent Systems | |
| University of Washington , Bachelor of Science in Mathematics | Sept. 2015 – June, 2019 |
| <ul style="list-style-type: none">• Focus on stochastic models and their applications in graph-based modeling• Participant in WXML research team, and a member of Sigma Nu fraternity | |

EXPERIENCE

- | | |
|---|--------------------|
| <u>Undergraduate Researcher</u>
<i>Washington Experimental Mathematics Lab</i> | Jan. – June, 2019 |
| <ul style="list-style-type: none">• Guided by professor Christopher Hoffman, we created a probabilistic model to generate statistically independent samples of possible districting of Washington state.• NetworkX, C++, Cython, MapboxGL, Websockets | |
| <u>Graduate Research Lab Assistant</u>
<i>Emisa Nateigh's research</i> | Jul. - Dec., 2018 |
| <ul style="list-style-type: none">• Assisted Emisa Nateigh in carrying out her research paper on predicting PFS of the patients with their medical history and corresponding treatments.• Multi-Task Warped Gaussian Kernel, D3.js, matplotlib, NumPy, SciPy, TensorFlow, and interacting with CSV's. | |
| <u>Software Engineering Intern</u>
<i>Crowd Cow</i> | June – Sept., 2017 |
| <ul style="list-style-type: none">• E-commerce platform company in downtown Seattle• As a software engineering intern, worked on creating an office dashboard that can be specifically tailored to the users (company employees') needs.• MySQL, Ruby on Rails, Git, Bundler, RuboCop, Stripe, and Puma | |

PROJECTS – AVAILABLE IN GITHUB

- | | |
|---|------|
| <u>QA System based on ALBERT (currently in progress)</u> | 2019 |
| <ul style="list-style-type: none">• Inspired by Zhenzhong Lan's work on simplified BERT system.• The mission is create a QA system that could answer various question in the domain of NLP after training on a corpus based on research papers. | |
| <u>OpenGL 3D Graphics Project</u> | 2019 |
| <ul style="list-style-type: none">• Finished a VC project that takes triangular mesh information in 3D to 2D images. Also, experimented with different lighting schemes in OpenGL framework.• The mission was to produce an animation using the graphic card library OpenGL in C++ | |
| <u>Recruiting for Unite UW</u> | 2018 |
| <ul style="list-style-type: none">• A recruitment assistance software for UW campus organization "Unite UW".• Used sentiment analysis to analyze the candidate's qualifications. | |
| <u>Personal Website</u> | 2018 |
| <ul style="list-style-type: none">• Created using many microservice tools like Node.js, React.js, Apache, Express, Redux, and AWS | |