

Aaron Beomjun Bae

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SUMMARY

Looking for a machine learning internship for Summer 2020.

EDUCATION

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| University of California – Irvine , Master of Science in Computer Science | Sept. 2019 – June, 2020 |
| <ul style="list-style-type: none">• Interests in NLP, especially on applications of Knowledge Base improved by additional intelligence gathered from sentiment analysis techniques.• 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

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| <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 prove Gerrymandering.• 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

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| <u>QA System (in progress)</u> | 2019 |
| <ul style="list-style-type: none">• I am in the process of developing a Question Answering system that populates a knowledge base from text-based sentiment analysis strategies.• Hoping to submit precise proposal and a funding requests to the CS Department by the end of fall. | |
| <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">• A simple personal website to showcase my achievements so far• Planning to add blog/ note taking feature• Node.js, React.js, Apache, Express, Redux, and AWS | |
| <u>Baroque Chess Agent</u> | 2018 |
| <ul style="list-style-type: none">• An intelligent decision-making agent. Used many different strategies and compared the performance.• Q-value based learning agent outperformed A* and mini-max style adversarial search strategies. | |