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Eric Kong

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EDUCATION

University of California, Los Angeles, Los Angeles, CA

M.S. in Computer Science (in progress)   Expected Mar 2021
      Machine Learning, Bioinformatics

B.S. in Computer Science, summa cum laude (GPA 3.96)   Jun 2019
      Software Engineering, Machine Learning, Artificial Intelligence, Web Development, Compiler Construction,
      Bioinformatics, Algorithms, Data Structures, Database Systems, Programming Languages, Computer Architecture

B.S. in Mathematics of Computation, summa cum laude (GPA 4.0)   Jun 2019
      Optimisation, Numerical Methods, Analysis, Probability Theory, Cryptology, Linear Algebra, Image Processing

EMPLOYMENT

Assistant Instructor, Mission Bit, Oakland, CA   Jun – Jul 2019
      Assisted in teaching a class of high-school students web development in HTML, CSS, and JavaScript, by preparing
      slides, answering questions, and debugging students' projects.

PROJECTS AND TECHNICAL EXPERIENCE

B-Active, University of California, Los Angeles, *team of six*   Oct – Dec 2018
      Crafted a web application matching users to activity buddies using similarity scores. Worked on front-end (UI/UX
      design and routing) and back-end (user ratings system). Implemented using MongoDB, Node, Express, and Angular.

MiniJava Compiler, University of California, Los Angeles   Oct – Dec 2018
      Wrote a program to compile a subset of Java into corresponding MIPS code in several passes.

Blogging Website, University of California, Los Angeles, *team of two*   Feb – Mar 2018
      Built a web application allowing users to log in and edit, save, and publish blog posts, along with an API to perform
      CRUD operations. Implemented using MongoDB, Node, Express, and Angular.

Movie Database Website, University of California, Los Angeles   Apr – May 2017
      Crafted a web application allowing users to search, retrieve, modify, and leave comments on pages for actors and
      movies. Implemented in PHP, with CSS stylings and a MySQL back-end database.

Blabber, University of California, Los Angeles   Oct 2015
      Wrote Python scripts to stochastically generate content from n-dimensional Markov analyses of large corpora of text.

LANGUAGES AND TECHNOLOGIES

C++, Python, Java, Processing.js, MATLAB, HTML, CSS, PHP, JavaScript, TypeScript
Windows, Linux; Visual Studio, Eclipse; MongoDB, MySQL, Node, Express, Angular

ACCOLADES / ACHIEVEMENTS

Tau Beta Pi Active Member, University of California, Los Angeles   2016 – 2018
Upsilon Pi Epsilon Active Member, University of California, Los Angeles   2016 – 2018
Kris Getz Composition Award, San Francisco Conservatory of Music   2015
Paul Lucey Distinguished Service Award, Lowell High School   2015

INTERESTS AND VOLUNTEER ACTIVITIES

Composition (Jazz, Orchestral), Piano (Jazz, Musical Theatre), Linguistics.
Volunteer accompanist for auditions, rehearsals, and performances for at least sixteen musical theatre productions across six
UCLA-affiliated theatre companies, including Dept. of Theatre. Volunteer student tutor for Tau Beta Pi and Upsilon Pi
Epsilon on lower-division computer science, mathematics, and physics courses for two hours per week for each organization.