

DAO LU

2000 Frist Center
Princeton University
Princeton, NJ 08544-1120

601-316-1969
daol@princeton.edu

EDUCATION

Princeton University 2013-2017
Bachelor of Science in Engineering, Computer Science, GPA 3.89
Relevant Coursework: Data Structures and Algorithms, Introduction to Programming Systems, Probability and Stochastic Systems, Reasoning about Computation, Advanced Programming Techniques, Engineering Statistics

University of Oxford Visiting Student, 2015-2016
Relevant Coursework: Functional Programming, Intelligent Systems, Databases, Concurrent Programming, Machine Learning, Computer Architecture

EXPERIENCE

LinkedIn
Mountain View, California (June 2016 – present)
Software Engineering Intern

- Investigated ways to refactor visibility rules and decrease load on downstream servers.

Kyruus
Boston, Massachusetts (May 2015 - September 2015)
Software Engineering Intern

- Developed an API and UI for a medical database using Flask, SQLAlchemy, and Swagger.
- Sped up database queries in existing codebase 10x, by reducing SQLAlchemy ORM overhead.

Sizzle Technologies, LLC
Princeton, New Jersey (November 2014 – January 2015)
Contractor

- Developed a website for an online Christian magazine, using React and Prismic.io.

University of Maryland
College Park, Maryland (June 2014 – August 2014)
Undergraduate Researcher

- Researched lower bounds on Ramsey numbers, using AI techniques (Monte-Carlo Heuristic, Alpha-Beta Pruning) to simulate “Ramsey Games” in C.
- Found and proved a winning strategy for Ramsey Path Games and Ramsey Star Games, and proved some Ramsey Game numbers for small graphs.
- Developed a website, ramseygames.nichesite.org.
- Developed Java app for playing Ramsey Games using JavaFX (see website).
- Presented poster “Ramsey Game Numbers” at Emory STEM Symposium, 2015.

Jackson State University
Jackson, Mississippi (June 2010 – July 2011, summers only)
Intern, Biology Department

- Co-developed a Graphical User Interface for a Water-Correction Algorithm.
- Developed a web site for mapping plant locations on the MS coast.
- Co-authored an article, published in October 2012 in a peer-reviewed journal, Journal of the Mississippi Academy of Sciences, Vol. 57, No. 4. The article is “Aquatic Plants of the Mississippi Coast” and is found on pages 240 to 249.

TECHNICAL SKILLS

Proficient in: Java, C, Python, HTML/CSS, Flask, SQL/SQLAlchemy
Familiar with: JavaScript, React, graphic design programs (Adobe Photoshop, GIMP)

AWARDS

1st place out of ~50 teams at LinkedIn Hackday 2016, our project CrowdCompute is a distributed computing platform that crowd-sources MapReduce jobs to run in website visitors’ browsers.