

Konstantinos Oikonomou

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Education

Vanderbilt University

B.Sc. IN COMPUTER SCIENCE AND MATHEMATICS

- Double major in Computer Science and Applied Mathematics

Nashville, TN

Aug. 2018 - Exp. May. 2022

University of Edinburgh

CONCENTRATION IN NATURAL LANGUAGE PROCESSING

- Study abroad semester with coursework on Natural Language Processing, Statistics, and Probability.

Edinburgh, United Kingdom

Jan. 2020 - May 2020

Anatolia College

INTERNATIONAL BACCALAUREATE DIPLOMA

- Higher Level: Computer Science (Focusing in NLP), Mathematics, Physics
- Thesis: "Comparison of Word Embeddings with Self-Organizing Maps in the detection of the underlying meaning of words"

Thessaloniki, Greece

Sep. 2015 - Jun. 2018

Work Experience

Centre of Research & Technology Hellas (CERTH)

SOFTWARE ENGINEER

- Development of cross-platform mobile AR application for e-commerce, featuring real-time cloth simulation and size-fitting
- Development in Unity (C#) using AR Foundation 4, Obi Cloth, Trilib, and other tools
- Collaborating with organizations across the EU for AR in fashion, 3D garment design optimization, and adaptation by consumers

Thessaloniki, Greece

October 2020 - Present

Algora PBC.

FRONT-END DEVELOPMENT INTERN

- Algora is a Git GUI platform with built-in repository chat channels and paid issue bounties.
- Designed and developed components of the platform's interface using React, with TypeScript and React Hooks
- Prepared the platform for its pilot launch in late Summer 2020 for use across university students and startups in the U.S.A.

(Remote) Boston, MA

June 2020 - September 2020

Fulcrum Global Technologies Inc.

SOFTWARE ENGINEERING INTERN

- Ideated and developed upHold (<https://uphold.pro>), an individualized relationship assistant for attorneys, offering a Web/iOS Native App
- Backend Engineer for upHold (Django rest-framework, SpaCy, Sklearn); made all technical decisions and implemented them
- Composed and submitted a provisional patent application for upHold's keyword searching algorithm (patent pending)

Chicago, IL

May 2019 - Aug. 2019

Leadership Experience

VandyHacks

BOARD MEMBER—CONTENT

- Lead Workshop on Text Classification with NLTK and SKLearn during VandyHacks Hack Night (Feb. 2019)
- Coded and Documented *Hackpacks* (Django REST, Swift) that will help beginner hackers get started during the VandyHacks hackathon
- Designing technical workshops for the VandyHacks main event (topics TBA)

Nashville, TN

Jan. 2019 - Jan. 2020

DataBrains AI & Data Science Club

PRESIDENT—DIRECTOR OF PROJECTS

- Providing resources to students interested in any form of AI, through a series of lectures, workshops and weekly newsletters
- Managing project teams for AI-related projects in the university

Nashville, TN

Sep. 2018 - Dec. 2019

Projects

Grid Strategy

PYTHON, MATPLOTLIB, SPHINX, TOX, AZURE PIPELINES

- Extension to the Matplotlib library for displaying multiple plots in an easier way
- 1st Place at HackIllinois 2019; Repository merged in Matplotlib organization on GitHub

Spread

JAVASCRIPT, REACT NATIVE, GOOGLE FIREBASE

- Mobile App for creating viral events utilizing exponential growth
- 2nd Place; MLH Local Hack Day 2018 at VandyHacks

Skills

Coursework	Natural Language Processing, Machine Learning, Software Patterns, Data Structures, Statistics, Linear Algebra
Languages	JavaScript, TypeScript, Python, Java, C++, HTML, CSS, SASS
Technologies	React, React Hooks, Git, Docker, Kubernetes, PostgreSQL, MongoDB