MICHEL ETER

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EDUCATION

University of California, Davis — Davis, CA
Bachelor of Science in Computer Science — *June 2020*
GPA: 3.74/4.00; Dean's List (Fall 2018)

EXPERIENCE

City of Tracy Engineering — Tracy, CA
Civil Engineer Intern — *February 2015 - May 2015*

Collaborated with a team of experienced engineers to construct blueprints of city-wide roads using AutoCAD, as well as estimate costs of road renewals. Completed blueprints for the re-pavement of MacArthur Drive and Eleventh Street in Tracy, CA, both projects summing up to approximately $1M in city funds.

TutorMe — Tracy, CA
Online Tutor — *September 2017 - February 2018*

Aided students across the United States in understanding complex curriculum's, primarily in Mathematics, Physics, and C++ programming. Mathematics ranged from algebra to differential equations and linear algebra, and my average tutor rating was a 4.3/5.0 stars.

AATC Tutor — Davis, CA
Programming Languages Tutor — *May 2019 - Present*

Served as a one-on-one tutor with a specialty in Programming Languages. Successfully helped undergraduate students grasp core programming language concepts such as context-free grammars, LL1 parsing tables, and language design choices across Go (including concurrent programming), Lisp, and Prolog.

PROJECTS

Northern California Weather Application
A web application which returns the weather in a Northern California city given a user-inputted query. Made use of media queries to accommodate various viewports, and it utilizes the OpenWeatherMap API to pull valuable information such as time and temperature forecasts for the next six hours. It is constructed with the HTML, CSS, and Javascript languages.

Lango Translation
Web-app hosted on a server that utilizes PassportJS and the Google Cloud Translate API to allow individuals to enhance their knowledge of French by creating and reviewing their own flashcards which are stored in a database. The application makes use of React, NodeJS, ExpressJS, HTML, CSS, JavaScript, and SQLite.

Image Seam Carving
Worked with a classmate to implement an intricate seam-carver using MatLab. We crafted a dynamic programming algorithm to compute the seam of pixels with the lowest cumulative energy in a given image. We utilized these functions to resize images while preserving the most important contents of the photo, and compared the performance to a greedy algorithm approach.

PROGRAMMING STRENGTHS

Programming Languages	C++, Assembly, JavaScript, HTML, CSS, SQLite, Go, LaTeX, Prolog, Lisp
Software & Tools	Microsoft Office, MatLab, GitHub, React, NodeJS, ExpressJS, PassportJS