

Neil Patel

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EDUCATION

Davidson College

Bachelor of Science in Computer Science

Davidson, NC

Expected May 2022

- GPA: 3.6
- Relevant Coursework: Programming & Problem Solving, Linear Algebra, Data Structures, Computer Organization, Theory of Computation

Davidson in Silicon Valley

Introductory Coding Bootcamp

San Francisco, CA

July 2019 – Aug 2019

- Relevant Coursework: Critical Web Design
- Learned web design with HTML5, CSS, and JavaScript

SKILLS

- **Programming Languages:** JavaScript, Python (all Advanced), C, Java (all Intermediate), Assembly, Standard ML (all Beginner)
- **Markup and Other Languages:** HTML (Advanced), CSS, LaTeX (all Intermediate)
- **Frameworks & Tools:** AutoHotKey, Git, Node.js, UNIX Shell (all Intermediate), Mathematica, PowerShell (all Beginner)
- **OS:** Windows (Advanced), Kali Linux, Ubuntu (all Intermediate)
- **General Skills:** API Usage, Automation, Computer Repair, Scripting, Web Design, Web Scraping

CODING PROJECTS

CrimeScraper – Solo

Basic Python API + AdonisJs Application

Davidson, NC

Oct 2019

- A data dashboard that visualizes the frequencies and types of crime on Davidson College's campus
crime-scraper.herokuapp.com
- Scrapes a spreadsheet of the Davidson College Crime Log and serves a JSON-like object as the response
crimelog.herokuapp.com + crimelog.herokuapp.com/bubbles
- Uses the crime-scraper JSON and the D3.js library to visualize the data in a bar chart and a bubble chart

MajoredIn – Group

AdonisJs Application

San Francisco, CA

Aug 2019

- Created CRUD (Create, Read, Update, Delete) methods for forms and implemented relational database structure
- Assisted team in learning the Node.js framework, AdonisJs and set up "Explore" to dynamically display profiles
majoredin.herokuapp.com
- Helps younger students explore "paths" to their major by using older students' and young alumni's college history

Five Words – Group

AdonisJs Application

San Francisco, CA

July 2019

- Added user authentication and implemented relational database structure
- Created form and form submission, and designed the user interface
five-words.herokuapp.com
- Serves as a simple journal where users login each day, record five words that encompass their feelings, and can see a data visualization to see what their days are often like

EXPERIENCE

Center for Teaching and Learning

Computer Science Tutor

Davidson, NC

Aug 2020 – Present; Aug 2019 – Jan 2020

- Provide instruction to individual or small groups of students of introductory computer science courses

Davidson College – Humanities Department

Humanities Fellow

Davidson, NC

May 2019 – May 2020

- Collaborate with the department head and professors to determine student needs, develop lesson plans, and assess progress
- Act as a writing tutor for students of the program, and hold mandatory discussion groups for a small group of students

Technology & Innovation

Communications and Engagement Assistant

Davidson, NC

Aug 2018 - May 2019

- Construct varying media like graphic designs, news stories, social media posts, web articles, and video edits to promote the Davidson College IT department's initiatives to the college community