Carter Schmidt

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SUMMARY

Junior-Standing Computer Science major seeking an internship or seasonal position in Software Development. Proficient in many programming languages and environments, an extensive education in mathematics, and full stack development experience including algorithms and data structures, web development, database management, machine learning, and more. Possesses exceptional leadership and communication skills that facilitate an effective teamwork environment.

EDUCATION

Villanova University, Villanova, PA   May 2023

- Bachelor of Science in **Computer Science** | GPA: 3.97
- Coursework includes:
  - Algorithms and Data Structures, Databases, Data Science, Machine Learning, Computing Systems
  - Discrete Math, Differential Equations, Linear Algebra, Multivariable Calculus

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RESEARCH EXPERIENCE

Undergraduate Researcher, **Villanova University**, Villanova, PA   May 2021-Present

- Utilize Python and Jupyter Notebook to create a sophisticated machine learning model based on a dataset with over 16,000 data points
- Design a Visualization Website using D3, Crossfilter, and several other JavaScript libraries to effectively convey trends and machine learning predictions to users
- Create a database in MongoDB to easily import, modify, and query data, while serving as the back-end for the website
- Use Python Flask, HTML, and CSS to establish an effective foundation for the visualization tool

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TECHNICAL SKILLS

- Advanced proficiency in Java, C/C++, Python, SQL, JavaScript, HTML, CSS, and Git
- Full stack development, including relational/non-relational databases (Oracle DBS, MongoDB, MySQL, etc.), cloud services (AWS), front-end web design (CSS Grid, Bootstrap, React), and back-end app development
- Experience with Machine Learning and Data Science implementations in Python
- Microsoft Excel, Word, PowerPoint

EMPLOYMENT

Cashier, **Villanova Dining Halls**, Villanova, PA   February 2021-September 2021

- Experience adapting to new software to conduct various types of transactions
- Ability to work efficiently under pressure during large rushes
- Utilize excellent communication skills to coordinate efforts between multiple different departments

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LEADERSHIP AND ACTIVITIES

- Principal Cellist, Villanova Chamber Strings
- Programming Team Member (Participating in coding competitions within and outside of Villanova)
- Developer Student Club Member
- Association for Computing Machinery Member