

# David Hamel

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## SKILLS

**Languages** Python, C/C++, Java, Javascript, HTML/CSS, SAIL

**Database Management** Oracle Database, MySQL, MS SQL Server, JPA, SSIS

**Project Management** Scrum, SAFe, Sprint Planning, Backlog Management, Demos, 508 Compliance

## PROFESSIONAL EXPERIENCE

**Macedon Technologies**

Reston, VA

**Senior Consultant**

*Oct 2019 – Present*

**Consultant**

*Aug 2018-Oct 2019*

- Built multiple systems to export complex data structures as PDFs
- Integrated with DocuSign to apply digital signatures to PDFs
- Created a Gantt chart with drill down functionality by extending the Google Charts API
- Designed the database architecture for a healthcare project to be scalable and flexible
- Improved code quality of a legacy code base by creating reusable components, modularizing large code blocks, and refactoring when necessary
- Updated the design of a message board component to use current best practices and improved the user experience by over 75%
- Conducted code reviews for a team of eight developers to enforce technical and stylistic standards
- Demonstrated large feature sets to a variety of technical and non-technical audiences
- Improved team velocity by planning feasible sprints with minimal bottlenecks

**Binghamton Student Association**

Binghamton, NY

**Web Developer**

*Aug 2017 – May 2018*

- Created macros and scripts for the Vice President of Finance's office to streamline outdated workflows
- Created a wiki to better organize technology systems for current and future developers
- Worked with Student Association E-Board to redesign and update outdated aspects of the Student Association website

**Berkley Custom Insurance Managers**

Stanford, CT

**Data Warehouse Development Intern**

*Sep 2017 – Dec 2017*

- Created an automated deployment process within SSIS to promote SQL to higher environments
- Implemented a balancing routine to verify policy earnings data across environments

## PROJECT EXPERIENCE

**Ballot Breakdown - Hack AE**

- Built a website using Bootstrap to help voters learn about their candidates for the 2016 election
- Integrated with Google's Civic Information API to pull applicable candidates based on the user's address

**Speedr - Hack BU**

- Developed a Pebble Smartwatch app to alert drivers when they exceed the speed limit
- Used GPS data from the connected phone to calculate speed
- Incorporated the Google Maps API to dynamically obtain the speed limit of the road

## EDUCATION

**Binghamton University, State University of New York**

Binghamton, NY

Bachelor of Science in Computer Science

*Aug 2014 – May 2018*

Minor in Economics