Michael Davis

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linkedin | github

EDUCATION

Bachelor of Science - Computer Science   **Aug 2024 - December 2025**
West Chester University   *West Chester, PA*

Associate of Science - Computer Science   **Sep 2015 - Aug 2024**
Bucks County Community College   *Newtown, PA*

SKILLS

Programming Languages Java | Python | C++ | Swift | SQL | JavaScript

Technologies Linux | PySpark | Docker | Node.js | FastAPI | MongoDB | PostgreSQL | Firebase

EXPERIENCE

Penn Medicine   **Apr 2024 - Present**
MRI Service Assistant   *Doylestown, PA*
- Effective communication across clinical and administrative teams for specific patient needs.
- Screen, register and schedule patients with appropriate machines for examination.
- Ensure patient safety at all stages of the MRI process.
- Experience with using EMR systems including eClinicalWorks and Meditech as well as health system applications such as Synapse, NextBar, Navinet, NaviNet, Availity, PEAR.

Penn Medicine   **Apr 2023 - Apr 2024**
Medical Records Clerk   *Doylestown, PA*
- Managed communications between healthcare facilities to support coordinated patient care.
- Facilitated the transfer of medical records and processed insurance referrals and authorizations.
- Generated physician orders for a variety of clinical procedures.
- Prepared procedure reports for physician review.

NOTABLE PROJECTS

Surgical Procedure Presentation App   **Aug 2025 - Dec 2025**
Developer, Analytics Management   *Chalfont, PA*
- Developer for clinician app to streamline patient care which implemented FastAPI, MongoDB, PosrgreSQL, Firebase for application foundation.
- Handled collection of analyical data for research and insight into app use.
- Back-end development with AI implementation within the app received by voice input.
- Collaborated with team for production release. Coordinated QA and research with other team members.

Multipurpose Discord App   **April 2024 - Present**
Full Stack Developer   *Chalfont, PA*
- Head Developer for interactive Discord application with multiple administrative and entertainment functions.
- Implemented AI chat solution for user interactions with the bot using a specially tuned Lua which learns about specific users as the user chats.
- Constructed API handling for multiple outside services for pooling information from other platforms such as image fetching, news and updates.

Fantasy Football Cloud Application   **Sep 2025 - Dec 2025**
Developer   *West Chester, PA*
- Developer for cloud application which pulls information such as player statistics.
- TBD.
- TBD.