

# Bishoy Henin

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## EDUCATION

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**Old Dominion University: Master of Science in Biomedical Engineering, Computer Science Focus** **Norfolk, VA**

*Enrolled, Expected Dec 2025*

December 2025

Thesis (in progress): *Anatomically Robust Modeling of the Cranium and Foramina for Neurosurgical Planning Applications*

- Focus: Cranial nerve pathways, 3D multi-surface skull modeling, segmentation, and registration with anatomical fiducials using tools such as 3D slicer and SynthRad

Relevant Coursework: Web Programming, Data Visualization, Information Visualization, AI, Regenerative Medicine, Modern Biomedical Instrumentation

**Old Dominion University: Bachelor of Science in Biomedical Sciences (Pre-Health Concentrations)**

**Norfolk, VA**

*Graduated*

May 2024

## WORK & LEADERSHIP EXPERIENCE

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**Wardell Orthopedics**

**Suffolk, VA**

*Medical Assistant*

June 2024 – October 2024

- Interviewed patients and documented/updated medical history and records.
- Supported physicians during exams and procedures, ensuring smooth clinical workflows.
- Ensured efficient operation of the medical office by producing and distributing correspondence memos, letters, faxes, and forms.

**Glendale Pharmacy**

**Newport News, VA**

*Internship*

January 2024 – April 2024

- Gained experience in pharmacy workflow, medication handling, and patient communication.

**Sentara Careplex Hospital**

**Hampton, VA**

*Medical Scribe in ED*

January 2023 – October 2023

- Maintained up-to-date knowledge of terminology, diagnostic procedures, and care protocols.

**Riverside Walter Reed Hospital**

**Gloucester, VA**

*Medical Scribe in ED*

October 2020 – January 2023

- Documented the specifics of patient histories, symptoms, physical exams, and provider assessments in Epic EHR system.

## PROJECTS

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**Secure Course Advising Web Application**

*React.js, Node.js, Express, MySQL, Clever Cloud, Render.com, GitHub, Node mailer*

- Developed a full-stack course advising platform with a MySQL database

**NBA Team Efficiency Visualization Dashboard**

*Observable, Tableau, Open Refine, JavaScript, Vega-Lite, HTML/CSS, CSV, GitHub*

- Designed and implemented an interactive data visualization dashboard to analyze NBA team performance using advanced efficiency metrics

## TECHNICAL SKILLS

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*Languages & Tools:* Python, SQL, JavaScript, HTML/CSS, Git, Jupyter Notebooks