Hudson Chromy

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EDUCATION

Expected Graduation - May 2022
Auburn University
Software Engineering, 3.43 GPA

EXPERIENCE

April 2019 - Present
Web Developer, Auburn University Housing, Auburn, Alabama
- Maintained and upgraded housing website that gets over **1,000,000 views per year** using **PHP**, **HTML**, and **Javascript**
- Reduced sitewide load time by **22%** by implementing lazy load and deferring Javascript loading
- Created tool **used over 5,000 times** to provide accent color for user's specific room number, limiting the number of help requests received each week
- Implemented auto filling fields to **reduce Resident Assistant Sharepoint forms by 25%**
- Built an automated system to record tour attendance using Microsoft Flows, saving time and improving accuracy of records

January 2019 – May 2019
Undergraduate Researcher, Auburn University Bioinformatics Lab, Auburn, Alabama
- Developed an open source 3D protein folding tool (PolyFold) in **Java** that uses gradient descent optimization to infer protein structures from experimental data

May 2017 – July 2017
Cyber Security Intern, Summit Technical Solutions, Colorado Springs, Colorado
- Worked with penetration testing and cyber intelligence companies to ensure Department of Defense security standards were met and exceeded

INVOLVEMENT

Association for Computing Machinery - President
- Oversee Competitive Programming Team, Ethical Hacking Club, Artificial Intelligence Club, Hackathon, tech talks, and social events for club of **over 150 students**
- Lead a team to develop club website to record and analyze attendance, provide resources, and manage email list

Competitive Programming Team
- Competed and placed **8th** out of **82** teams at the **2018 ICPC Southeastern Regional**

PROJECTS

Algorithm Visualizer hudsonchromy.com/portfolio/visualizer/ aub.ie/visualGithub
- Tool built in **Javascript** to help teach search algorithms to the Competitive Programming Team

Javadoc Comment Writer github.com/hudsonchromy/javadoc-comment-maker
- Built in **Java** to parse Java files and automate repetitive part of writing Javadoc comments

Google Location Command Line Interface https://github.com/hudsonchromy/google_location_cli
- Developed **Python** CLI to parse Google Location Data and easily provide information about when the user was tracked in a certain area