Nicholas C. Hung

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education

University of Maryland, College Park / Computer Science, BS   GPA: 3.538
January 2016 - December 2018

University of Maryland, College Park / Biology, BS
August 2011 - December 2014

skills

JavaScript, Java, C, Python, HTML/CSS

work experience

UnitedHealth Group / Technology Development Program Associate   January 2019 - present
Basking Ridge, New Jersey
- implemented new filters and controllers in AngularJS and improved the UI for a release management dashboard displaying ticket data retrieved from ServiceNow with Bootstrap
- created and modified new API endpoints and MongoDB queries for the backend in Python/Flask
- suggested and made improvements to existing code base, such as generalizing repetitive functions, removing extraneous code
- wrote unit tests for the backend API endpoints

UnitedHealth Group / Technology Development Program Intern   May 2018 - August 2018
Basking Ridge, New Jersey
- collaborated with 3 interns to develop a customizable dashboard integrating data from Dynatrace, Adobe Analytics, and Splunk APIs to decrease issue triage time for the DevOps team
- utilized React.js and Recharts for the UI, MySQL for the database
- learned and applied Agile methodology and Git for version control to achieve a productive workflow
- worked closely with the product manager to identify, evaluate and implement changing requirements

independent projects

gifCatch - https://github.com/syncopika/gifcatch_desktop-Windows-   January 2018 - present
- A Windows desktop application that captures screenshots to create a gif from, with user-specified parameters such as time delay between screenshots, number of frames to record, and image filters
- Implemented various image filters, including edge detection and saturation
- Created with C++, Win32 and GDI+ APIs and open-source code for the gif creation step
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Piano Roll Online - https://piano-roll-app.herokuapp.com/   April 2017 - present
- A browser-based piano roll hosted on Heroku built with JavaScript (making use of the Web Audio API), HTML/CSS, Node.js and MongoDB
- Features include user login/logout, authentication, registration, importing/saving projects as JSON
- Utilizes a number of JavaScript libraries such as Express.js, Mongoose ODM

other

music composer   2012 - present
- Create and sell background music spanning a variety of genres for use in various media via bandcamp.com
- Composed the soundtrack for *Fantasy Tales Online*, a free MMORPG available on Steam
- Contribute free music to the open-source game community on OpenGameArt
- Scored 2 student films produced by members of the Maryland Filmmakers Club