

# Adam Durand

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## EDUCATION

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### State University of New York (SUNY) College at Oswego

- *Bachelor's Degree in Computer Science*  
GPA: 3.95/4.00
- *Bachelor's Degree in Finance*  
Minor in Economics  
GPA: 3.48/4.00

Expected December 2022

May 2020

**Awards:** C&S STEM Scholarship, Xerox Innovation Award, President's Award

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## TECHNICAL & RELEVANT SKILLS

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- Java
  - C
  - C++
  - C# / .NET Framework
  - Python
  - Agile Development
  - Amazon Web Services
  - Google Cloud Platform
  - JavaScript
  - React.js & Node.js
  - Arduino
  - Autodesk Inventor
  - SQL & NoSQL
  - Bloomberg Terminal
  - Microsoft Office
  - Bash
  - Ubuntu
  - Wordpress
  - Docker
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## PROFESSIONAL WORK EXPERIENCE

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### Raytheon Intelligence & Space (NASA EED-3)

#### Software Engineering Intern

- Assisted in the build process for the NASA EED-3 Earthdata Team
- Implemented solutions using Ruby & Ruby on Rails framework, JavaScript and PostgreSQL
- Experience with Agile Development, DevOps and Deployment

Riverdale, MD

May 2022– August 2022

### Freelance Web Developer

#### Built and maintained client projects

- Experience with No-SQL & SQL database management
- Experience using Stripe, Docker, Google Cloud Platform, MapboxSDK, and Firebase SDK for JavaScript.
- MERN Stack Developer (MongoDB / Express / React.js / Node.js)
- Entrepreneurial Finance - maintained, invoiced, and managed client relations

Syracuse, NY

September 2019 – Present

### AmeriCU Credit Union

#### Credit Union banker

- Managed account cash flow and recommended banking products
- Used Symitar software platform to perform daily auditing operations and change member data
- Assisted members with banking issues and resolved technical issues between members and the banking system

Syracuse, NY

May 2019 – September 2020

### AmeriCU Credit Union

#### Banking Intern

- Supervised and assisted in banking activities
- Documented banking procedures and assisted in daily operations
- Performed basic banking transactions

Syracuse, NY

September 2017 – May 2018

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## NOTABLE PROJECTS

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### E-commerce & Analytics Application

#### React.js & Node.js Application

- Built a platform to help and maintain logistics and distribution of wholesale business directives.
- Used a noSQL database schema using the Firebase SDK.
- Created an authentication and onboarding system.
- Created a secure payment system using the Stripe API which allows users to store and hold balances on user accounts.

### Restaurant Recommendation Application

#### Java Application

- Constructed a custom hashtable for frequency collection using the yelp dataset.
- Implemented the TF-IDF Similarity Metric in conjunction with K-means clustering algorithms.
- Created a persistent-file based B-tree with a fixed-size buffer cache.

### Virtual Simulation Game

#### C Application

- Implemented game-specific structs, and pointers for objects, players and rooms.
- Dynamically allocated memory.
- Used Bit-mask & Bit-shift operations in C.