

# Andy Dufresne | Headed for the Pacific

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## Basics

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- Computer Science major with strong foundation in data structures, algorithms, and software development
- Pixel perfect full stack web developer, specialised in creating high-quality, visually appealing websites
- Experienced in databases (SQL, NoSQL), familiar with server-side technologies (Node.js, Express, etc.)
- Team player, with detail-oriented mindset and a keen eye for design and user experiences

## Education

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### University of Southern California

<https://www.cs.usc.edu/>

*Bachelor, Computer Engineering and Computer Science, Score: 3.8*

*Sep 2016 – Jul 2020*

- Developed proficiency in programming languages such as Java, C++, and Python
  - Gained hands-on experience in software development through various projects and assignments
  - Strong communication and teamwork skills acquired through group projects and presentations
- Courses:** Discrete Methods in Computer Science, Programming Language Concepts, Data Structures and Object-Oriented Design, Operating Systems, Computer Architecture, Database Systems, Computer Networking, Introduction to the Theory of Computing

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## Work

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### PPResume

<https://ppresume.com>

*Senior Software Engineer*

*Dec 2022 – Present*

- Developed and implemented efficient and scalable code, ensuring high-quality and maintainable web applications
- Collaborated with cross-functional teams to gather project requirements and translate them into technical solutions
- Conducted thorough testing and debugging to identify and resolve any issues or bugs in the software
- Actively participated in code reviews, providing valuable feedback to improve code quality and adherence to best practices
- Mentored and guided junior developers, fostering a collaborative and growth-oriented team environment

**Keywords:** Scalability, Growth, Quality, Mentorship

### PPResume

<https://ppresume.com>

*Software Engineer*

*Sep 2020 – Dec 2022*

- Created reusable React components to ensure code efficiency and maintainability
- Integrated with RESTful APIs to fetch and display dynamic data on the frontend
- Implemented client-side routing using React Router for smooth navigation between pages
- Actively participated in Agile development methodologies, attending daily stand-up meetings and sprint planning sessions

**Keywords:** RESTful, React, Agile

## Languages

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**English:** Native or Bilingual Proficiency

**Keywords:** TOEFL 110, IELTS 7.5

**Chinese:** Elementary Proficiency

## Skills

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**Web Development:** Expert

**Keywords:** Python, Ruby, CSS, React, JavaScript

**DevOps:** Intermediate

**Keywords:** Python, Kubernetes, Docker, Shell, Ansible

**Design:** Intermediate

**Keywords:** Sketch, Figma, Photoshop

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## Awards

### Dean's List

*University of Southern California*

*Oct 2016*

Awarded to students who achieve a high academic standing by maintaining a specified grade point average (GPA) during a semester.

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## Certificates

**AWS Certified Developer - Associate**

<https://aws.amazon.com/certification/>

*AWS*

*Mar 2021*

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## Publications

**ACM Transactions on Interactive Intelligent Systems**

<https://dl.acm.org/journal/tiis>

*Enhancing Human-Computer Interaction through Augmented Reality*

*Dec 2017*

- Explores the potential of augmented reality (AR) in improving interaction between humans and computers
- Highlights benefits of AR in various areas such as gaming, education, healthcare, and design
- Discusses challenges and future directions of AR technology in enhancing user experience

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## References

**Dr. Amanda Reynolds**

**(555) 123-4567**

*Computer Science Professor*

*amanda.reynolds@usc.edu*

Andy Dufresne shows exceptional problem-solving skills and a solid understanding of programming concepts, he would bring immense value to any team or organization he becomes a part of.

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## Projects

**EduWeb**

<https://www.eduweb.xyz/>

*A web-based educational platform for interactive learning*

*Sep 2016 – Dec 2016*

- Designed to enhance online learning experiences
- Facilitates students' engagement and collaboration through interactive features and user-friendly interface
- Offers a wide range of courses across various subjects
- Aims to improve the way students learn through the power of the web

**Keywords:** Education, Online Learning, HCI

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## Interests

**Sports:** Soccer, Swimming, Bicycling, Hiking

**Music:** Piano, Guitar

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## Volunteer

**USC Computer Science and Engineering Society**

<https://www.usccsesociety.org/>

*Tech Mentor*

*Sep 2015 – Jul 2023*

- Volunteered as a Tech Mentor at USC Computer Science and Engineering Society
- Provided guidance and assistance to fellow students in their technical projects and coursework
- Assisted in organizing workshops, coding competitions, and networking events for the society members
- Contributed to fostering a collaborative and supportive environment within the student community